Rocky Flats Environmental Technology Site

PRE-DEMOLITION SURVEY REPORT (PDSR)

1st FLOOR OF BUILDING 707

REVISION 0

November 11, 2004

Volume 2

Classification Review not required per
Exemption number CEX005-02

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Name/Org Stephen Nagel/DRC Date 11/5/08

1/402

ATTACHMENT B32

Survey Unit 707057 Survey Data and Maps

Investigation Documentation

Survey Unit: **707057**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-11	205	No	N/A	168.1	Yes	53.7
2	Floor	H-11	115	No	N/A	98.1	Yes	56.8

Note 1 = total activity per 600 cm^2 probe

Maximum 168.1 56.8

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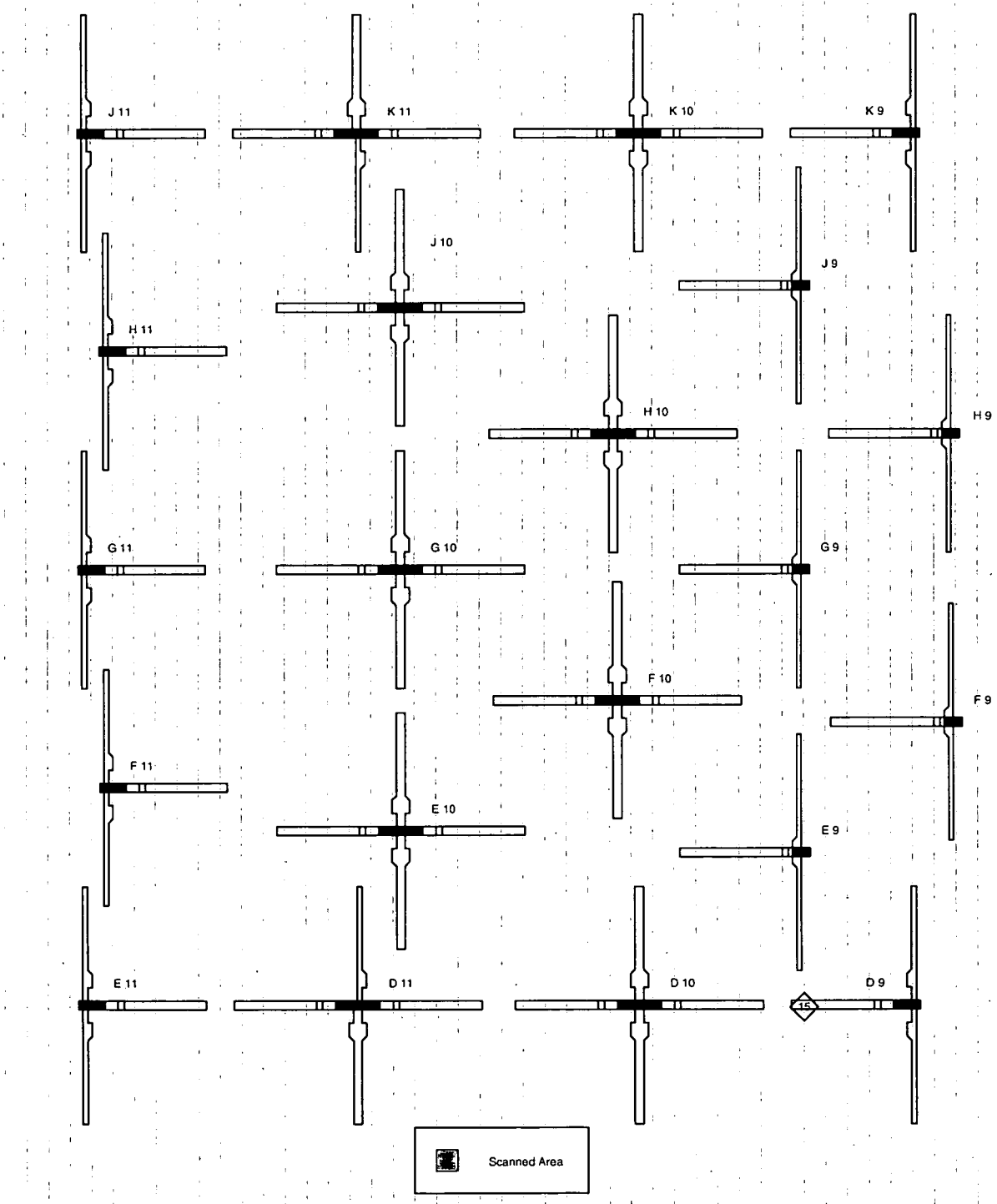
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707057** **Classification: 2**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 0 sq. m **Total Area: 2050 sq. m** **Grid Size: 11 x 11 sq.m**

SURVEY UNIT 707057 - MAP 1 OF 2



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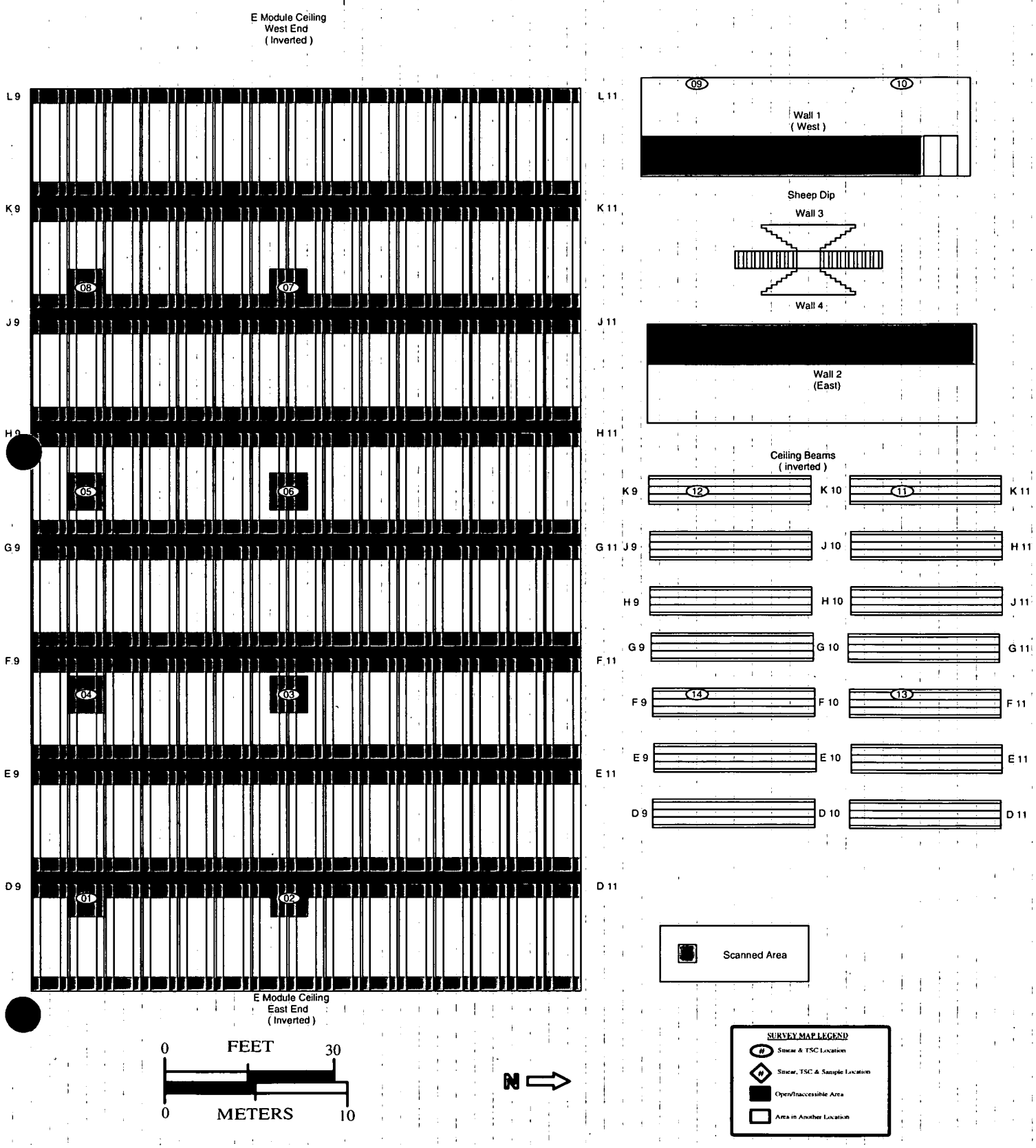
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707057** **Classification: 2**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 0 sq. m **Total Area: 2050 sq. m** **Grid Size: 11 x 11 sq.m**

SURVEY UNIT 707057 - MAP 2 OF 2



Survey Area: C	Survey Unit: 707057	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in E module area.

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	64.8 dpm/100cm²
Minimum:	-19.1 dpm/100cm²
Mean:	20.9 dpm/100cm²
Standard Deviation:	19.0
QC Maximum:	-4.5 dpm/100cm²
QC Minimum:	-13.6 dpm/100cm²
QC Mean:	-9.1 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	0.9
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707057	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in E module area.

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509284	09/03/04	Electra	1259	DP-6	10/22/04	0.224	NA	48.0	NA	T/S
2	511798	09/03/04	Electra	4176	DP-6	01/16/05	0.220	NA	48.0	NA	T/S
3	511798	09/03/04	SAC-4	1057	NA	02/20/05	0.333	NA	10.0	NA	R
4	511798	09/07/04	Electra	2166	DP-6	01/22/05	0.223	NA	48.0	NA	T/S
5	512999	09/07/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
6	513185	10/15/04	Electra	4175	DP-6	04/06/05	0.212	NA	48.0	NA	T/S
7	513185	10/15/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

2

Survey Area: C	Survey Unit: 707057	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in E module area.

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707057PRP-N001	7	0.0	N/A	
707057PRP-N002	7	1.5	N/A	
707057PRP-N003	5	0.0	N/A	
707057PRP-N004	5	0.0	N/A	
707057PRP-N005	3	0.0	N/A	
707057PRP-N006	3	3.0	N/A	
707057PRP-N007	3	0.0	N/A	
707057PRP-N008	3	0.0	N/A	
707057PRP-N009	3	0.0	N/A	
707057PRP-N010	3	1.5	N/A	
707057PRP-N011	3	0.0	N/A	
707057PRP-N012	3	0.0	N/A	
707057PRP-N013	3	0.0	N/A	
707057PRP-N014	5	0.0	N/A	
707057PRP-N015	7	0.0	N/A	

Comments:

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Survey Area: C	Survey Unit: 707057	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in E module area.

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707057PRP-N001	6	26.7	N/A	
707057PRP-N002	6	21.9	N/A	
707057PRP-N003	4	34.7	N/A	
707057PRP-N004	4	37.9	N/A	
707057PRP-N005	1	19.7	N/A	
707057PRP-N006	1	7.7	N/A	
707057PRP-N007	1	-19.1	N/A	
707057QRP-N007	2	-4.5	N/A	
707057PRP-N008	1	4.6	N/A	
707057QRP-N008	2	-13.6	N/A	
707057PRP-N009	1	1.9	N/A	
707057PRP-N010	1	19.7	N/A	
707057PRP-N011	1	22.4	N/A	
707057PRP-N012	1	19.7	N/A	
707057PRP-N013	1	16.6	N/A	
707057PRP-N014	4	64.8	N/A	
707057PRP-N015	6	34.2	N/A	

Comments: >25% of the lower walls, and >10% of the upper walls and ceiling surface areas were scanned. All values < 300 dpm/100 cm2.

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ATTACHMENT B33

Survey Unit 707058 Survey Data and Maps

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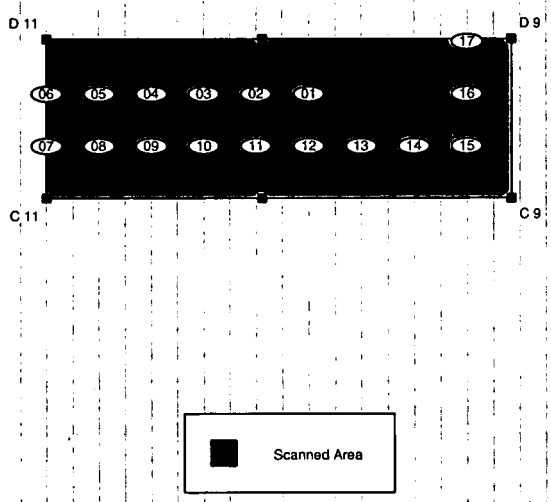
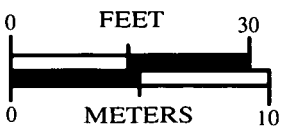
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707058** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707058 - MAP 1 OF 1





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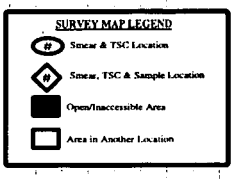

Survey Area: C	Survey Unit: 707058	Building: 707

Description: B 707 1st floor, E module floor area, Columns C-D, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	58.9 dpm/100cm²
Minimum:	4.1 dpm/100cm²
Mean:	23.8 dpm/100cm²
Standard Deviation:	15.7
QC Maximum:	64.3 dpm/100cm²
QC Minimum:	36.7 dpm/100cm²
QC Mean:	50.5 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	-0.1 dpm/100cm²
Standard Deviation:	0.5
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707058	Building: 707

Description: B 707 1st floor, E module floor area, Columns C-D, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	10/12/04	Electra	3985	DP-6	02/20/05	0.230	NA	48.0	NA	T
2	516375	10/12/04	Electra	4173	DP-6	11/04/04	0.218	NA	48.0	NA	T
3	513185	10/12/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707058	Building: 707

Description: B 707 1st floor, E module floor area, Columns C-D, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707058PRP-N001	3	-0.3	N/A	
707058PRP-N002	3	-0.3	N/A	
707058PRP-N003	3	-0.3	N/A	
707058PRP-N004	3	-0.3	N/A	
707058PRP-N005	3	-0.3	N/A	
707058PRP-N006	3	-0.3	N/A	
707058PRP-N007	3	-0.3	N/A	
707058PRP-N008	3	-0.3	N/A	
707058PRP-N009	3	-0.3	N/A	
707058PRP-N010	3	-0.3	N/A	
707058PRP-N011	3	-0.3	N/A	
707058PRP-N012	3	-0.3	N/A	
707058PRP-N013	3	1.2	N/A	
707058PRP-N014	3	-0.3	N/A	
707058PRP-N015	3	-0.3	N/A	
707058PRP-N016	3	1.2	N/A	
707058PRP-N017	3	-0.3	N/A	

Comments:

Survey Area: C	Survey Unit: 707058	Building: 707

Description: B 707 1st floor, E module floor area, Columns C-D, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707058PRP-N001	1	21.5	N/A	
707058PRP-N002	1	38.9	N/A	
707058PRP-N003	1	58.9	N/A	
707058PRP-N004	1	44.6	N/A	
707058PRP-N005	1	12.8	N/A	
707058PRP-N006	1	38.9	N/A	
707058QRP-N006	2	64.3	N/A	
707058PRP-N007	1	21.5	N/A	
707058PRP-N008	1	15.4	N/A	
707058PRP-N009	1	38.9	N/A	
707058PRP-N010	1	18.5	N/A	
707058PRP-N011	1	4.1	N/A	
707058QRP-N011	2	36.7	N/A	
707058PRP-N012	1	6.7	N/A	
707058PRP-N013	1	24.1	N/A	
707058PRP-N014	1	21.5	N/A	
707058PRP-N015	1	6.7	N/A	
707058PRP-N016	1	27.2	N/A	
707058PRP-N017	1	4.1	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

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ATTACHMENT B34

Survey Unit 707059 Survey Data and Maps

Investigation Documentation

Survey Unit: **707059**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	E-9	4308	Yes	N/A	27	No	<100
2	Floor	E-9	409	Yes	N/A	15	No	<100
3	Floor	E-9	480	Yes	N/A	3	No	<100
4	Floor	E-9	2247	Yes	N/A	12	No	<100
5	Floor	E-11	1911	Yes	123	N/A	No	<100
6	Floor	E-11	610	Yes	182	N/A	No	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 181.8 <100

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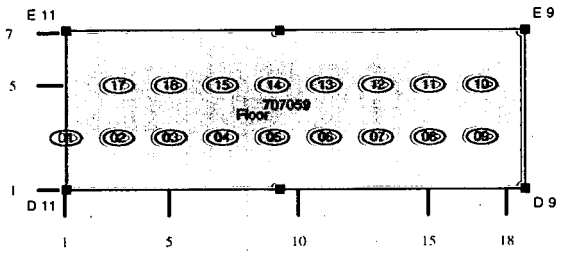
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

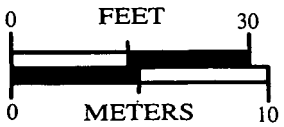
Survey Area: C **Survey Unit: 707059** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707059 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

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Survey Area: C	Survey Unit: 707059	Building: 707

Description: B 707 1st floor, E module floor area, Columns D-E, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	44.9 dpm/100cm²
Minimum:	-43.1 dpm/100cm²
Mean:	-10.6 dpm/100cm²
Standard Deviation:	25.2
QC Maximum:	-49.5 dpm/100cm²
QC Minimum:	-56.5 dpm/100cm²
QC Mean:	-53.0 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.7 dpm/100cm²
Standard Deviation:	1.1
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707059	Building: 707

Description: B 707 1st floor, E module floor area, Columns D-E, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509231	08/08/04	Electra	1240	DP-6	01/22/05	0.212	NA	48.0	NA	T
2	514929	08/08/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
3	514929	08/08/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
4	514929	08/08/04	Electra	1245	DP-6	09/04/04	0.215	NA	48.0	NA	T
5	516375	10/12/04	Electra	4173	DP-6	11/04/04	0.218	NA	48.0	NA	T/I
6	516375	10/12/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707059	Building: 707

Description: B 707 1st floor, E module floor area, Columns D-E, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707059PRP-N001	6	-0.3	N/A	
707059PRP-N002	6	-0.3	N/A	
707059PRP-N003	6	-0.3	N/A	
707059PRP-N004	6	-0.3	N/A	
707059PRP-N005	6	1.2	N/A	
707059PRP-N006	6	-0.3	N/A	
707059PRP-N007	2	0.0	N/A	
707059PRP-N008	3	1.5	N/A	
707059PRP-N009	2	3.0	N/A	
707059PRP-N010	3	3.0	N/A	
707059PRP-N011	2	1.5	N/A	
707059PRP-N012	3	0.0	N/A	
707059PRP-N013	2	1.5	N/A	
707059PRP-N014	3	0.0	N/A	
707059PRP-N015	2	0.0	N/A	
707059PRP-N016	3	1.5	N/A	
707059PRP-N017	2	0.0	N/A	

Comments:

Survey Area: C	Survey Unit: 707059	Building: 707

Description: B 707 1st floor, E module floor area, Columns D-E, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707059PRP-N001	5	17.9	N/A	
707059PRP-N002	5	11.9	N/A	
707059PRP-N003	5	-0.4	N/A	
707059PRP-N004	5	33.5	N/A	
707059PRP-N005	5	8.7	N/A	
707059SRP-N006	5	44.9	N/A	
707059PRP-N007	1	-20.9	N/A	
707059QRP-N007	4	-56.5	N/A	
707059PRP-N008	1	-24.2	N/A	
707059PRP-N009	1	-26.6	N/A	
707059PRP-N010	1	-20.9	N/A	
707059PRP-N011	1	-21.9	N/A	
707059QRP-N011	4	-49.5	N/A	
707059PRP-N012	1	-27.5	N/A	
707059PRP-N013	1	-28.9	N/A	
707059PRP-N014	1	-33.7	N/A	
707059PRP-N015	1	-24.2	N/A	
707059PRP-N016	1	-43.1	N/A	
707059PRP-N017	1	-24.2	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

ATTACHMENT B35

Survey Unit 707060 Survey Data and Maps

Investigation Documentation

Survey Unit: **707060**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	E-9	379	Yes	169	<300	No	<100
2	Floor	F-10	579	Yes	286	<300	No	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 285.7

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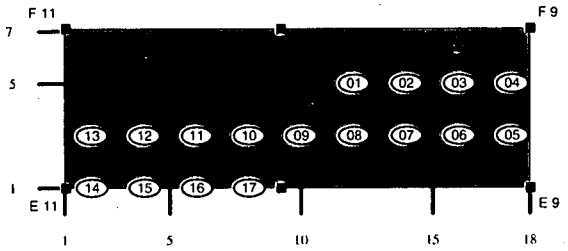
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

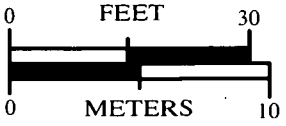
Survey Area: C Survey Unit: 707060 Classification: 1
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m Total Area: 108 sq. m Grid Size: 2 x 2 sq m

SURVEY UNIT 707060 - MAP 1 OF 1



Scanned Area



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SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

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Survey Area: C	Survey Unit: 707060	Building: 707

Description: B 707 1st floor, E module floor area, Columns E-F, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	78.1 dpm/100cm²
Minimum:	16.4 dpm/100cm²
Mean:	35.3 dpm/100cm²
Standard Deviation:	14.6
QC Maximum:	24.7 dpm/100cm²
QC Minimum:	12.9 dpm/100cm²
QC Mean:	18.8 dpm/100cm²
Transuranic DCGLw:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.8 dpm/100cm²
Standard Deviation:	1.1
Transuranic DCGLw:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

24

Survey Area: C	Survey Unit: 707060	Building: 707

Description: B 707 1st floor, E module floor area, Columns E-F, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	712467	08/08/04	Electra	1436	DP-6	01/21/05	0.227	NA	48.0	NA	T
2	600940	08/08/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
3	600940	08/08/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
4	600940	08/08/04	Electra	4680	DP-6	08/20/04	0.228	NA	48.0	NA	T

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

25

Survey Area: C	Survey Unit: 707060	Building: 707

Description: B 707 1st floor, E module floor area, Columns E-F, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707060PRP-N001	2	0.0	N/A	
707060PRP-N002	3	0.0	N/A	
707060PRP-N003	2	1.5	N/A	
707060PRP-N004	3	1.5	N/A	
707060PRP-N005	2	3.0	N/A	
707060PRP-N006	3	0.0	N/A	
707060PRP-N007	2	0.0	N/A	
707060PRP-N008	3	0.0	N/A	
707060PRP-N009	2	0.0	N/A	
707060PRP-N010	3	1.5	N/A	
707060PRP-N011	2	1.5	N/A	
707060PRP-N012	3	1.5	N/A	
707060PRP-N013	2	0.0	N/A	
707060PRP-N014	3	0.0	N/A	
707060PRP-N015	2	0.0	N/A	
707060PRP-N016	3	3.0	N/A	
707060PRP-N017	2	0.0	N/A	

Comments:

26

Survey Area: C	Survey Unit: 707060	Building: 707

Description: B 707 1st floor, E module floor area, Columns E-F, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707060PRP-N001	1	31.0	N/A	
707060PRP-N002	1	34.0	N/A	
707060PRP-N003	1	48.6	N/A	
707060PRP-N004	1	42.8	N/A	
707060PRP-N005	1	34.0	N/A	
707060PRP-N006	1	22.1	N/A	
707060PRP-N007	1	51.7	N/A	
707060PRP-N008	1	31.0	N/A	
707060PRP-N009	1	34.0	N/A	
707060PRP-N010	1	39.8	N/A	
707060QRP-N010	4	12.9	N/A	
707060PRP-N011	1	16.4	N/A	
707060QRP-N011	4	24.7	N/A	
707060PRP-N012	1	78.1	N/A	
707060PRP-N013	1	22.1	N/A	
707060PRP-N014	1	19.1	N/A	
707060PRP-N015	1	34.0	N/A	
707060PRP-N016	1	27.9	N/A	
707060PRP-N017	1	34.0	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

ATTACHMENT B36

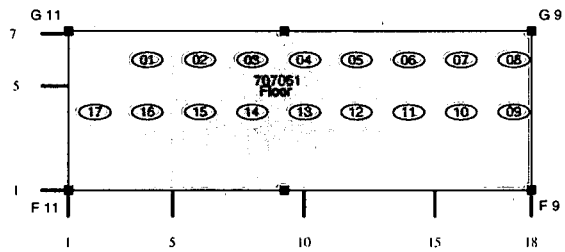
Survey Unit 707061 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

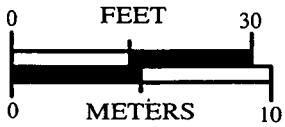
Survey Area: C **Survey Unit: 707061** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707061 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

29

Survey Area: C	Survey Unit: 707061	Building: 707

Description: B 707 1st floor, E module floor area, Columns F-G, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	61.5 dpm/100cm²
Minimum:	12.0 dpm/100cm²
Mean:	28.8 dpm/100cm²
Standard Deviation:	13.2
QC Maximum:	73.8 dpm/100cm²
QC Minimum:	17.6 dpm/100cm²
QC Mean:	45.7 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.8 dpm/100cm²
Standard Deviation:	1.1
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707061	Building: 707

Description: B 707 1st floor, E module floor area, Columns F-G, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	712600	08/08/04	Electra	4680	DP-6	08/20/04	0.228	NA	48.0	NA	T
2	711749	08/08/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
3	711749	08/08/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
4	711749	08/08/04	Electra	4412	DP-6	12/29/04	0.208	NA	48.0	NA	T

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

31

Survey Area: C	Survey Unit: 707061	Building: 707

Description: B 707 1st floor, E module floor area, Columns F-G, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707061PRP-N001	2	1.5	N/A	
707061PRP-N002	3	0.0	N/A	
707061PRP-N003	2	0.0	N/A	
707061PRP-N004	3	0.0	N/A	
707061PRP-N005	2	0.0	N/A	
707061PRP-N006	3	1.5	N/A	
707061PRP-N007	2	0.0	N/A	
707061PRP-N008	3	1.5	N/A	
707061PRP-N009	2	3.0	N/A	
707061PRP-N010	3	1.5	N/A	
707061PRP-N011	2	1.5	N/A	
707061PRP-N012	3	0.0	N/A	
707061PRP-N013	2	0.0	N/A	
707061PRP-N014	3	0.0	N/A	
707061PRP-N015	2	3.0	N/A	
707061PRP-N016	3	0.0	N/A	
707061PRP-N017	2	0.0	N/A	

Comments:

Survey Area: C	Survey Unit: 707061	Building: 707

Description: B 707 1st floor, E module floor area, Columns F-G, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707061PRP-N001	1	17.7	N/A	
707061PRP-N002	1	12.0	N/A	
707061PRP-N003	1	44.0	N/A	
707061PRP-N004	1	35.2	N/A	
707061PRP-N005	1	15.1	N/A	
707061PRP-N006	1	15.1	N/A	
707061QRP-N006	4	17.6	N/A	
707061PRP-N007	1	20.8	N/A	
707061PRP-N008	1	17.7	N/A	
707061PRP-N009	1	38.3	N/A	
707061PRP-N010	1	17.7	N/A	
707061PRP-N011	1	29.5	N/A	
707061PRP-N012	1	35.2	N/A	
707061PRP-N013	1	23.8	N/A	
707061QRP-N013	4	73.8	N/A	
707061PRP-N014	1	61.5	N/A	
707061PRP-N015	1	41.4	N/A	
707061PRP-N016	1	29.5	N/A	
707061PRP-N017	1	35.2	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

ATTACHMENT B37

Survey Unit 707062 Survey Data and Maps

Investigation Documentation

Survey Unit: **707062**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	G-9	679	Yes	N/A	135	Yes	10
2	Floor	G-9	461	Yes	N/A	140	No	<100
3	Floor	G-9	468	Yes	N/A	27	No	<100
4	Floor	H-9	1711	Yes	208	N/A	No	<100
5	Floor	H-9	600	Yes	234	N/A	No	<100

Note 1 = total activity per 600 cm^2 probe

Maximum	234.0	139.6

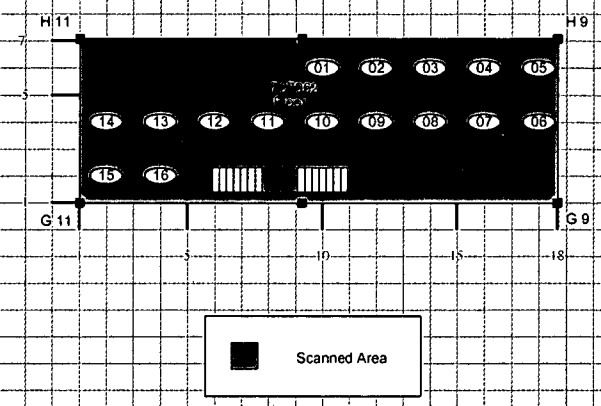
35

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707062** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module floor area)

Total Floor Area: 104 sq. m **Total Area: 104 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707062 - MAP 1 OF 1



0 FEET 30

0 METERS 10

N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

36

Survey Area: C	Survey Unit: 707062	Building: 707

Description: B 707 1st floor, E module floor area, Columns G-H, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	72.1 dpm/100cm²
Minimum:	8.1 dpm/100cm²
Mean:	38.3 dpm/100cm²
Standard Deviation:	19.7
QC Maximum:	42.7 dpm/100cm²
QC Minimum:	39.8 dpm/100cm²
QC Mean:	41.2 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	-0.3 dpm/100cm²
Minimum:	-0.6 dpm/100cm²
Mean:	-0.5 dpm/100cm²
Standard Deviation:	0.2
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707062	Building: 707

Description: B 707 1st floor, E module floor area, Columns G-H, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511827	08/08/04	Electra	4681	DP-6	01/14/05	0.210	NA	48.0	NA	T
2	511233	08/08/04	Electra	1245	DP-6	09/04/04	0.215	NA	48.0	NA	T
3	511233	08/08/04	SAC-4	1473	NA	01/29/05	0.333	NA	10.0	NA	R
4	511233	08/08/04	SAC-4	1284	NA	01/29/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

38

Survey Area: C | **Survey Unit:** 707062 | **Building:** 707

Description: B 707 1st floor, E module floor area, Columns G-H, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707062PRP-N001	3	-0.3	N/A	
707062PRP-N002	4	-0.6	N/A	
707062PRP-N003	3	-0.3	N/A	
707062PRP-N004	4	-0.6	N/A	
707062PRP-N005	3	-0.3	N/A	
707062PRP-N006	4	-0.6	N/A	
707062PRP-N007	3	-0.3	N/A	
707062PRP-N008	4	-0.6	N/A	
707062PRP-N009	3	-0.3	N/A	
707062PRP-N010	4	-0.6	N/A	
707062PRP-N011	3	-0.3	N/A	
707062PRP-N012	4	-0.6	N/A	
707062PRP-N013	3	-0.3	N/A	
707062PRP-N014	4	-0.6	N/A	
707062PRP-N015	3	-0.3	N/A	
707062PRP-N016	4	-0.6	N/A	

Comments:

Survey Area: C	Survey Unit: 707062	Building: 707

Description: B 707 1st floor, E module floor area, Columns G-H, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707062PRP-N001	1	40.7	N/A	
707062PRP-N002	1	46.9	N/A	
707062PRP-N003	1	59.7	N/A	
707062PRP-N004	1	72.1	N/A	
707062PRP-N005	1	62.6	N/A	
707062PRP-N006	2	57.9	N/A	
707062PRP-N007	2	20.7	N/A	
707062PRP-N008	2	26.7	N/A	
707062PRP-N009	2	23.5	N/A	
707062QRP-N010	1	42.7	N/A	
707062PRP-N010	2	17.4	N/A	
707062QRP-N011	1	39.8	N/A	
707062PRP-N011	2	30.0	N/A	
707062PRP-N012	2	8.1	N/A	
707062PRP-N013	2	23.5	N/A	
707062PRP-N014	2	17.4	N/A	
707062PRP-N015	1	53.1	N/A	
707062PRP-N016	1	53.1	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

40

ATTACHMENT B38

Survey Unit 707063 Survey Data and Maps

Investigation Documentation

Survey Unit: **707063**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	H-9	608	Yes	N/A	27	Yes	7
2	Floor	J-10	494	Yes	175	N/A	No	<100
3	Floor	H-10	508	Yes	286	N/A	No	<100
				Maximum	286	27		<100

Note 1 = total activity per 600 cm^2 probe

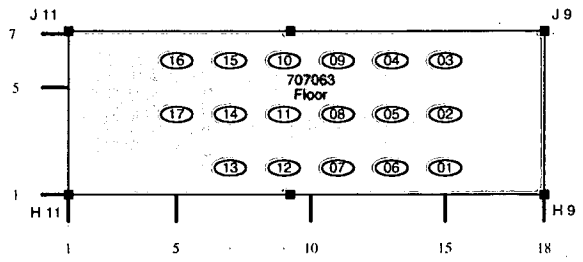
42

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

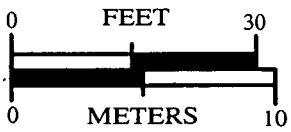
Survey Area: C **Survey Unit: 707063** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707063 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

43

Survey Area: C	Survey Unit: 707063	Building: 707

Description: B 707 1st floor, E module floor area, Columns H-J, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	63.2 dpm/100cm²
Minimum:	16.1 dpm/100cm²
Mean:	37.1 dpm/100cm²
Standard Deviation:	15.6
QC Maximum:	51.0 dpm/100cm²
QC Minimum:	35.6 dpm/100cm²
QC Mean:	43.3 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	9.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	2.4 dpm/100cm²
Standard Deviation:	2.8
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707063	Building: 707

Description: B 707 1st floor, E module floor area, Columns H-J, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	516188	08/08/04	Electra	1245	DP-6	09/04/04	0.215	NA	48.0	NA	T
2	516188	08/08/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
3	600868	08/08/04	Electra	4679	DP-6	01/23/05	0.222	NA	48.0	NA	T

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

45

Survey Area: C	Survey Unit: 707063	Building: 707

Description: B 707 1st floor, E module floor area, Columns H-J, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707063PRP-N001	2	4.5	N/A	
707063PRP-N002	2	0.0	N/A	
707063PRP-N003	2	0.0	N/A	
707063PRP-N004	2	4.5	N/A	
707063PRP-N005	2	0.0	N/A	
707063PRP-N006	2	4.5	N/A	
707063PRP-N007	2	0.0	N/A	
707063PRP-N008	2	4.5	N/A	
707063PRP-N009	2	4.5	N/A	
707063PRP-N010	2	4.5	N/A	
707063PRP-N011	2	0.0	N/A	
707063PRP-N012	2	0.0	N/A	
707063PRP-N013	2	0.0	N/A	
707063PRP-N014	2	4.5	N/A	
707063PRP-N015	2	0.0	N/A	
707063PRP-N016	2	9.0	N/A	
707063PRP-N017	2	0.0	N/A	

Comments:

46

Survey Area: C	Survey Unit: 707063	Building: 707

Description: B 707 1st floor, E module floor area, Columns H-J, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707063PRP-N001	3	45.2	N/A	
707063PRP-N002	3	24.0	N/A	
707063PRP-N003	3	42.0	N/A	
707063PRP-N004	3	51.0	N/A	
707063QRP-N005	1	35.6	N/A	
707063PRP-N005	3	60.0	N/A	
707063PRP-N006	3	48.3	N/A	
707063PRP-N007	3	42.0	N/A	
707063PRP-N008	3	30.3	N/A	
707063PRP-N009	3	57.3	N/A	
707063PRP-N010	3	24.0	N/A	
707063PRP-N011	3	27.1	N/A	
707063PRP-N012	3	39.3	N/A	
707063QRP-N013	1	51.0	N/A	
707063PRP-N013	3	63.2	N/A	
707063PRP-N014	1	19.3	N/A	
707063PRP-N015	1	16.1	N/A	
707063PRP-N016	1	25.4	N/A	
707063PRP-N017	1	16.1	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

ATTACHMENT B39

Survey Unit 707064 Survey Data and Maps

Investigation Documentation

Survey Unit: **707064**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	K-9	525	Yes	143	N/A	No	<100
2	Floor	K-10	1500	Yes	234	N/A	No	<100
3	Floor	J-10	395	Yes	253	N/A	No	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 253.2 <100

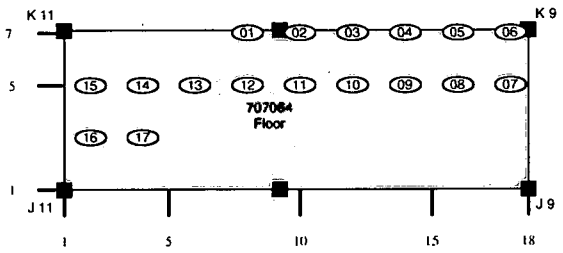
49

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

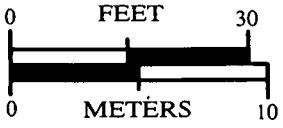
Survey Area: C **Survey Unit: 707064** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707064 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

50

Survey Area: C	Survey Unit: 707064	Building: 707

Description: B 707 1st floor, E module floor area, Columns J-K, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	43.5 dpm/100cm²
Minimum:	9.0 dpm/100cm²
Mean:	22.4 dpm/100cm²
Standard Deviation:	11.0
QC Maximum:	42.5 dpm/100cm²
QC Minimum:	36.8 dpm/100cm²
QC Mean:	39.6 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	0.7
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707064	Building: 707

Description: B 707 1st floor, E module floor area, Columns J-K, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	702377	08/08/04	Electra	1100	DP-6	09/02/04	0.214	NA	48.0	NA	T
2	600137	08/08/04	Electra	1543	DP-6	09/09/04	0.227	NA	48.0	NA	Q
3	600137	08/08/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
4	600137	08/08/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

Survey Area: C	Survey Unit: 707064	Building: 707

Description: B 707 1st floor, E module floor area, Columns J-K, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707064PRP-N001	3	0.0	N/A	
707064PRP-N002	4	0.0	N/A	
707064PRP-N003	3	0.0	N/A	
707064PRP-N004	4	0.0	N/A	
707064PRP-N005	3	0.0	N/A	
707064PRP-N006	4	0.0	N/A	
707064PRP-N007	3	1.5	N/A	
707064PRP-N008	4	1.5	N/A	
707064PRP-N009	3	0.0	N/A	
707064PRP-N010	4	0.0	N/A	
707064PRP-N011	3	1.5	N/A	
707064PRP-N012	4	1.5	N/A	
707064PRP-N013	3	0.0	N/A	
707064PRP-N014	4	0.0	N/A	
707064PRP-N015	3	0.0	N/A	
707064PRP-N016	4	0.0	N/A	
707064PRP-N017	3	0.0	N/A	

Comments:

Survey Area: C	Survey Unit: 707064	Building: 707

Description: B 707 1st floor, E module floor area, Columns J-K, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707064PRP-N001	1	18.3	N/A	
707064PRP-N002	1	27.7	N/A	
707064PRP-N003	1	18.3	N/A	
707064PRP-N004	1	15.5	N/A	
707064QRP-0004	2	42.5	N/A	
707064PRP-N005	1	30.9	N/A	
707064PRP-N006	1	43.5	N/A	
707064PRP-N007	1	15.5	N/A	
707064PRP-N008	1	15.5	N/A	
707064PRP-N009	1	18.3	N/A	
707064PRP-N010	1	9.0	N/A	
707064PRP-N011	1	40.3	N/A	
707064PRP-N012	1	15.5	N/A	
707064QRP-0012	2	36.8	N/A	
707064PRP-N013	1	43.5	N/A	
707064PRP-N014	1	18.3	N/A	
707064PRP-N015	1	10.8	N/A	
707064PRP-N016	1	24.9	N/A	
707064PRP-N017	1	15.5	N/A	

Comments: Scanned 100% of the accessible floor surfaces. All values after remediation <300 dpm/100 cm2.

ATTACHMENT B40

Survey Unit 707065 Survey Data and Maps

Investigation Documentation

Survey Unit: **707065**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	K11	1059	Yes	201	N/A	No	<100
2	Floor	K9	403	Yes	N/A	39	Yes	48.1
3	Floor	K9	480	Yes	N/A	90	No	<100
4	Floor	K9	461	Yes	N/A	33	No	<100
5	Floor	K10	483	Yes	N/A	48	No	<100
6	Floor	K10	580	Yes	130	N/A	No	<100
7	Floor	K10	400	Yes	234	N/A	No	<100
8	Floor	K10	613	Yes	N/A	36	No	<100
9	Floor	K10	530	Yes	N/A	48	No	<100
10	Floor	K10	400	Yes	273	N/A	No	<100
11	Floor	K10	615	Yes	N/A	54	No	<100
12	Floor	K10	313	Yes	N/A	114	Yes	32.6
13	Floor	K9	723	Yes	N/A	69	No	<100
14	Floor	K9	401	Yes	N/A	16	No	<100
15	Floor	K9	442	Yes	N/A	69	No	<100
16	Floor	K9	311	Yes	N/A	51	No	<100
17	Floor	K9	672	Yes	N/A	70	No	<100
18	Floor	K9	535	Yes	N/A	39	No	<100
19	Floor	K9	386	Yes	N/A	10	No	<100
20	Floor	K9	421	Yes	N/A	114	Yes	44.0
21	Floor	K9	750	Yes	71	N/A	No	<100
22	Floor	K11	894	Yes	136	N/A	No	<100

Note 1 - total activity per 600 cm^2 probe

Maximum	273	114	<100

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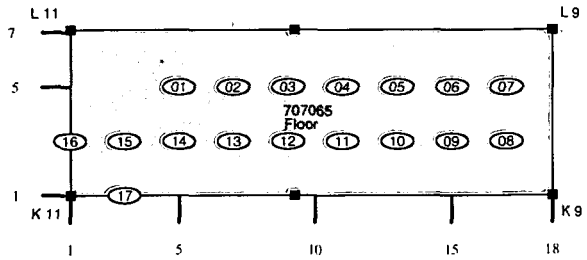
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

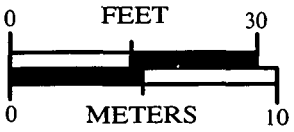
Survey Area: C **Survey Unit: 707065** **Classification: 1**
Building: 707
Survey Unit Description: First floor (E module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707065 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

57

Survey Area: C	Survey Unit: 707065	Building: 707

Description: B 707 1st floor, E module floor area, Columns K-L, 9-11

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	69.6 dpm/100cm²
Minimum:	6.8 dpm/100cm²
Mean:	37.9 dpm/100cm²
Standard Deviation:	18.5
QC Maximum:	45.3 dpm/100cm²
QC Minimum:	30.0 dpm/100cm²
QC Mean:	37.7 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	6.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	1.8 dpm/100cm²
Standard Deviation:	1.6
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707065	Building: 707

Description: B 707 1st floor, E module floor area, Columns K-L, 9-11

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	601035	08/07/04	Electra	4398	DP-6	01/29/05	0.213	NA	48.0	NA	T
2	600757	08/07/04	Electra	3985	DP-6	09/16/04	0.223	NA	48.0	NA	T
3	601035	08/08/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
4	600757	08/08/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
5	513185	10/15/04	Electra	4173	DP-6	11/04/04	0.218	NA	48.0	NA	I
6	514510	10/15/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R
11	514510	10/15/04	Electra	4175	DP-6	04/06/05	0.212	NA	48.0	NA	T

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

Survey Area: C	Survey Unit: 707065	Building: 707

Description: B 707 1st floor, E module floor area, Columns K-L, 9-11

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707065PRP-N001	3	1.5	N/A	
707065PRP-N002	3	1.5	N/A	
707065PRP-N003	3	1.5	N/A	
707065PRP-N004	3	0.0	N/A	
707065PRP-N005	3	0.0	N/A	
707065PRP-N006	3	3.0	N/A	
707065PRP-N007	3	0.0	N/A	
707065PRP-N008	3	3.0	N/A	
707065PRP-N009	4	1.5	N/A	
707065PRP-N010	4	3.0	N/A	
707065PRP-N011	4	0.0	N/A	
707065PRP-N012	4	0.0	N/A	
707065PRP-N013	4	1.5	N/A	
707065PRP-N014	4	6.0	N/A	
707065PRP-N015	4	3.0	N/A	
707065PRP-N016	6	1.5	N/A	
707065PRP-N017	4	3.0	N/A	

Comments:

6D

Survey Area: C	Survey Unit: 707065	Building: 707

Description: B 707 1st floor, E module floor area, Columns K-L, 9-11

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707065PRP-N001	1	19.4	N/A	
707065QRP-N002	2	30.0	N/A	
707065SRP-N002	5	7.5	N/A	
707065SRP-N003	5	6.8	N/A	
707065PRP-N004	1	50.8	N/A	
707065PRP-N005	1	47.5	N/A	
707065PRP-N006	1	69.6	N/A	
707065PRP-N007	1	41.4	N/A	
707065PRP-N008	1	41.4	N/A	
707065PRP-N009	1	54.1	N/A	
707065PRP-N010	2	53.3	N/A	
707065PRP-N011	2	47.4	N/A	
707065PRP-N012	2	44.3	N/A	
707065QRP-N013	1	45.3	N/A	
707065PRP-N013	2	23.7	N/A	
707065PRP-N014	2	56.4	N/A	
707065PRP-N015	2	35.3	N/A	
707065PRP-N016	11	10.1	N/A	
707065PRP-N017	2	35.3	N/A	

Comments: 100% of the accessible floor surfaces were scanned. All values after remediation were <300 dpm/100 cm2.

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ATTACHMENT B41

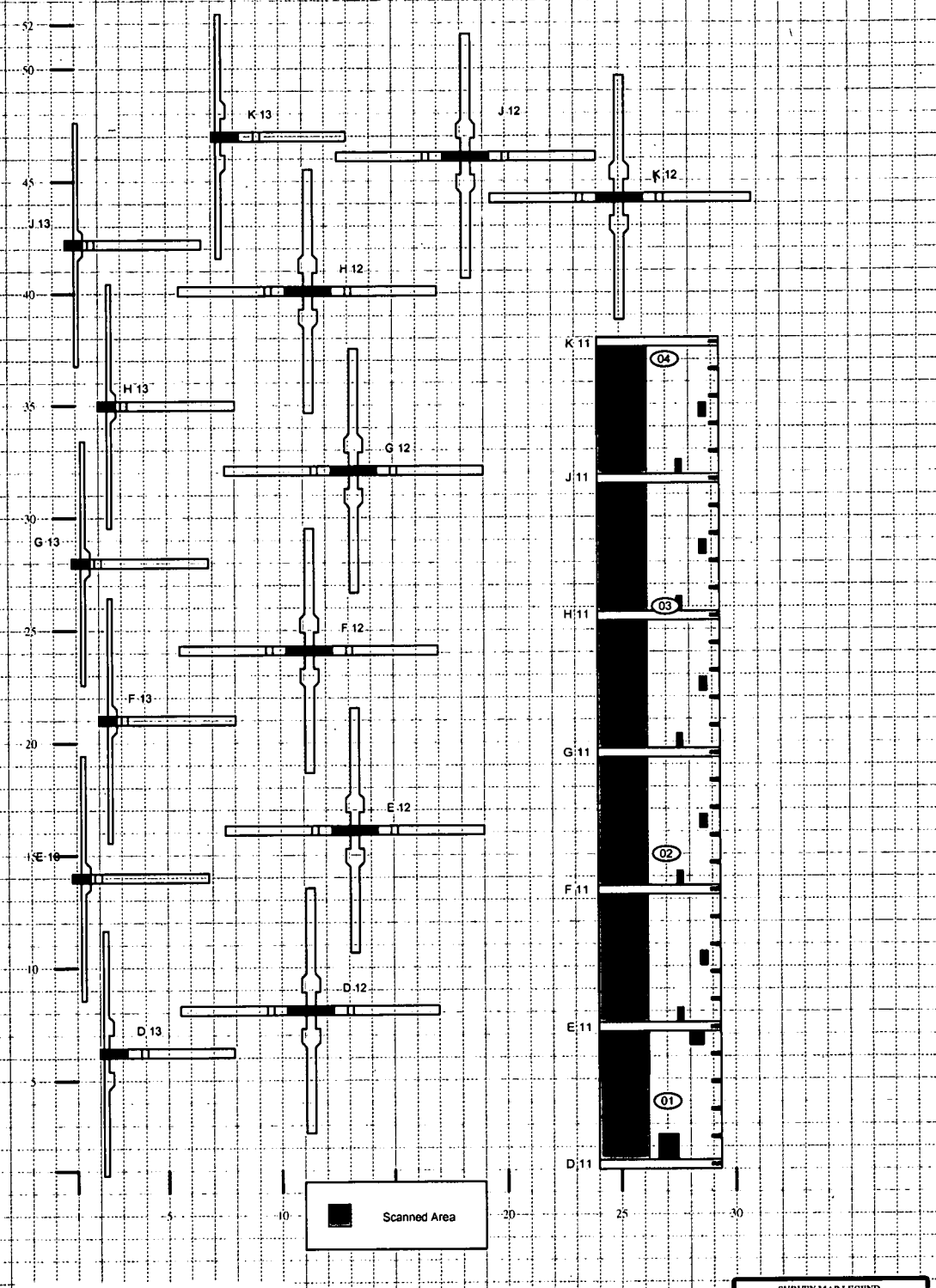
Survey Unit 707066 Survey Data and Maps

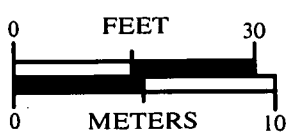
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707066** **Classification: 2**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 0 sq. m **Total Area: 2031 sq. m** **Grid Size: 11 x 11 sq.m**

SURVEY UNIT 707066 - MAP 1 OF 2





N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

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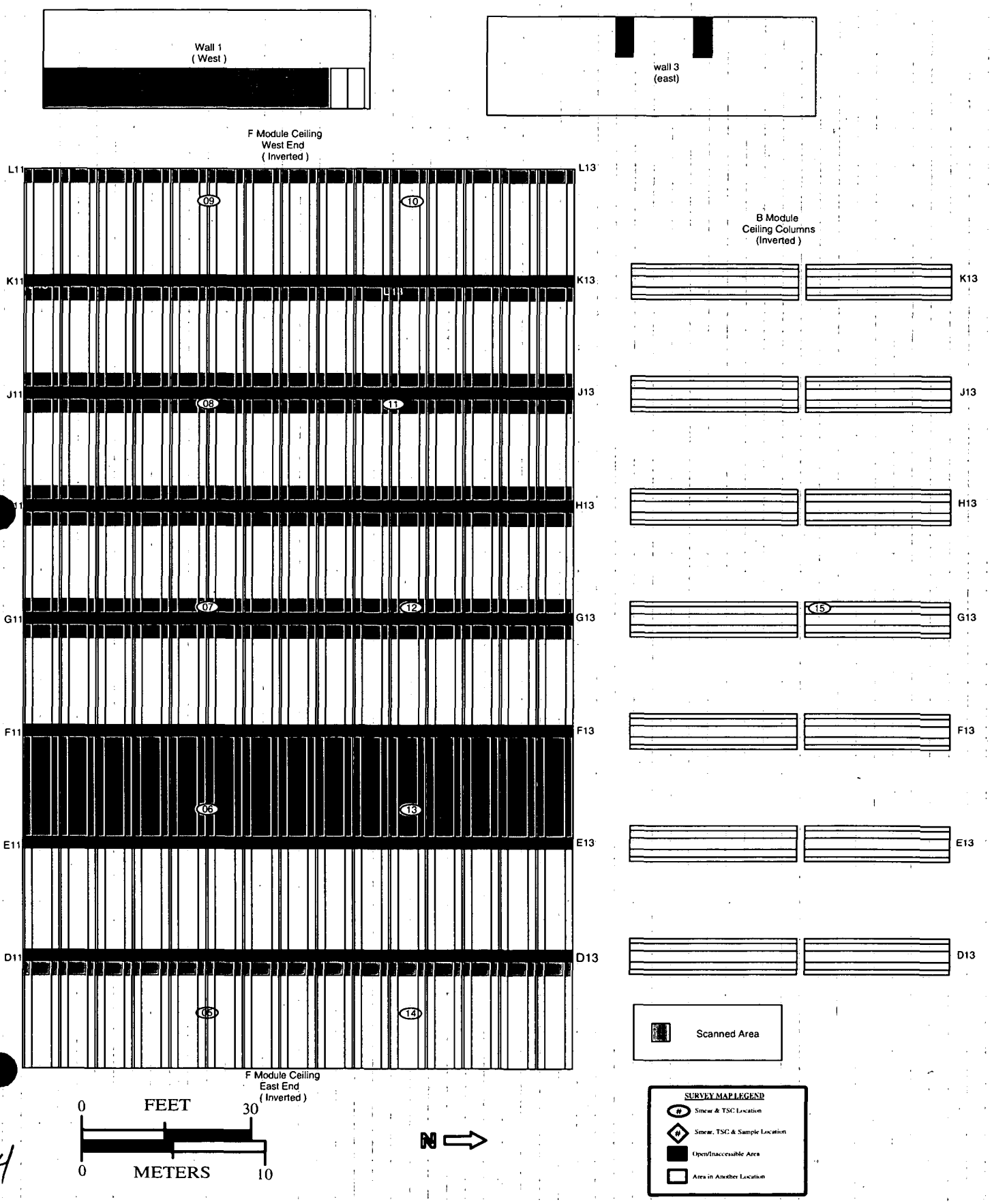
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707066** **Classification: 2**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 0 sq. m **Total Area: 2031 sq. m** **Grid Size: 11 x 11 sq.m**

SURVEY UNIT 707066 - MAP 2 OF 2



64

Survey Area: C	Survey Unit: 707066	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in F module area.

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15
Nbr Random Measurements Performed: 15
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 2
Nbr QC Performed: 2

Alpha

Maximum:	58.7 dpm/100cm²
Minimum:	-7.0 dpm/100cm²
Mean:	19.7 dpm/100cm²
Standard Deviation:	14.8
QC Maximum:	16.6 dpm/100cm²
QC Minimum:	7.5 dpm/100cm²
QC Mean:	12.0 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15
Nbr Random Measurements Performed: 15
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	0.8
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707066	Building: 707

cription: B707 - 1st floor, walls and ceiling surfaces in F module area.

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513731	06/15/04	Electra	3134	DP-6	11/03/04	0.224	NA	48.0	NA	T/S
2	509552	06/15/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	T/S
3	513731	06/15/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
4	513185	10/15/04	Electra	4175	DP-6	04/06/05	0.212	NA	48.0	NA	T/S
5	513185	10/15/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R
10	516375	10/23/04	Electra	2354	DP-6	11/27/04	0.222	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707066	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in F module area.

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707066PRP-N001	3	-0.3	N/A	
707066PRP-N002	3	-0.3	N/A	
707066PRP-N003	3	-0.3	N/A	
707066PRP-N004	3	1.2	N/A	
707066PRP-N005	5	0.0	N/A	
707066PRP-N006	3	-0.3	N/A	
707066PRP-N007	3	-0.3	N/A	
707066PRP-N008	3	1.2	N/A	
707066PRP-N009	3	1.2	N/A	
707066PRP-N010	3	1.2	N/A	
707066PRP-N011	3	1.2	N/A	
707066PRP-N012	3	-0.3	N/A	
707066PRP-N013	3	-0.3	N/A	
707066PRP-N014	5	1.5	N/A	
707066PRP-N015	3	-0.3	N/A	

Comments:

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Survey Area: C	Survey Unit: 707066	Building: 707

Description: B707 - 1st floor, walls and ceiling surfaces in F module area.

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707066PRP-N001	1	28.7	N/A	
707066SRP-N002	10	21.1	N/A	
707066PRP-N003	1	24.3	N/A	
707066PRP-N004	1	10.9	N/A	
707066PRP-N005	4	15.7	N/A	
707066PRP-N006	1	25.6	N/A	
707066PRP-N007	1	-7.0	N/A	
707066QRP-N007	2	7.5	N/A	
707066PRP-N008	1	28.7	N/A	
707066PRP-N009	1	5.1	N/A	
707066PRP-N010	1	22.9	N/A	
707066PRP-N011	1	10.9	N/A	
707066PRP-N012	1	22.9	N/A	
707066QRP-N012	2	16.6	N/A	
707066PRP-N013	1	5.1	N/A	
707066PRP-N014	4	21.8	N/A	
707066PRP-N015	1	58.7	N/A	

Comments: >25% of the lower wall and >10% of the upper wall and ceiling surfaces were scanned. All values <300 dpm/100 cm2.

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ATTACHMENT B42

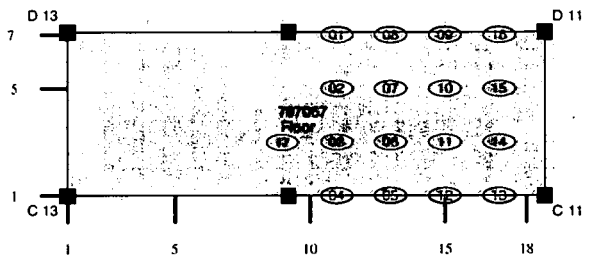
Survey Unit 707067 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

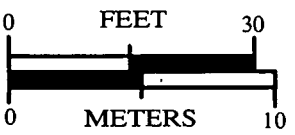
Survey Area: C Survey Unit: 707067 Classification: 1
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m Total Area: 108 sq. m Grid Size: 2 X 2 sq. m

SURVEY UNIT 707067 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

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Survey Area: C	Survey Unit: 707067	Building: 707

Description: B707 F module floor area between columns C-D, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 2
Nbr QC Performed: 2

Alpha

Maximum:	52.5 dpm/100cm²
Minimum:	-9.9 dpm/100cm²
Mean:	18.8 dpm/100cm²
Standard Deviation:	16.3
QC Maximum:	39.7 dpm/100cm²
QC Minimum:	33.3 dpm/100cm²
QC Mean:	36.5 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.9 dpm/100cm²
Standard Deviation:	1.1
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707067	Building: 707

Description: B707 F module floor area between columns C-D, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	514510	10/24/04	Electra	2166	DP-6	01/22/05	0.213	NA	48.0	NA	T
2	516375	10/24/04	Electra	4408	DP-6	04/18/05	0.219	NA	48.0	NA	T
3	516375	10/24/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707067	Building: 707

Description: B707 F module floor area between columns C-D, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707067PRP-N001	3	3.0	N/A	
707067PRP-N002	3	0.0	N/A	
707067PRP-N003	3	3.0	N/A	
707067PRP-N004	3	1.5	N/A	
707067PRP-N005	3	1.5	N/A	
707067PRP-N006	3	0.0	N/A	
707067PRP-N007	3	0.0	N/A	
707067PRP-N008	3	0.0	N/A	
707067PRP-N009	3	1.5	N/A	
707067PRP-N010	3	0.0	N/A	
707067PRP-N011	3	0.0	N/A	
707067PRP-N012	3	0.0	N/A	
707067PRP-N013	3	1.5	N/A	
707067PRP-N014	3	0.0	N/A	
707067PRP-N015	3	0.0	N/A	
707067PRP-N016	3	1.5	N/A	
707067PRP-N017	3	1.5	N/A	

Comments:

73

Survey Area: C	Survey Unit: 707067	Building: 707

Description: B707 F module floor area between columns C-D, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707067PRP-N001	1	5.6	N/A	
707067PRP-N002	1	30.9	N/A	
707067PRP-N003	1	15.0	N/A	
707067PRP-N004	1	12.1	N/A	
707067PRP-N005	1	12.1	N/A	
707067PRP-N006	1	40.3	N/A	
707067PRP-N007	1	18.2	N/A	
707067PRP-N008	1	-6.6	N/A	
707067PRP-N009	1	24.4	N/A	
707067PRP-N010	1	15.0	N/A	
707067PRP-N011	1	52.5	N/A	
707067PRP-N012	1	27.6	N/A	
707067PRP-N013	1	40.3	N/A	
707067PRP-N014	1	21.5	N/A	
707067PRP-N015	1	8.9	N/A	
707067QRP-N015	2	39.7	N/A	
707067PRP-N016	1	-9.9	N/A	
707067PRP-N017	1	12.1	N/A	
707067QRP-N017	2	33.3	N/A	

Comments: 100% of accessible floor surface was scanned. All values <300 dpm/100cm2.

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ATTACHMENT B43

Survey Unit 707068 Survey Data and Maps

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Investigation Documentation

Survey Unit: **707068**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	F-12	509	Yes	N/A	97.6	N/A	<100
2	Floor	F-12	539	Yes	N/A	32	N/A	<100
3	Floor	E-13	354	Yes	N/A	3	N/a	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 97.6 <100

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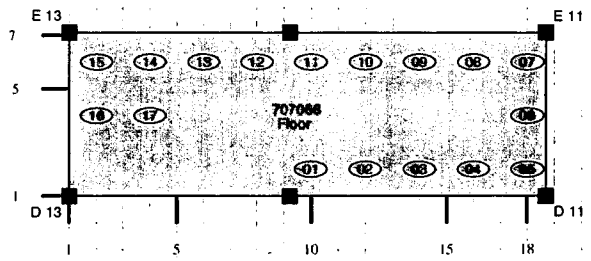
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

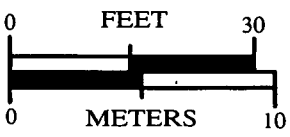
Survey Area: C **Survey Unit: 707068** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707068 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

77

Survey Area: C	Survey Unit: 707068	Building: 707

Description: B707 F module floor area between columns D-E, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	57.5 dpm/100cm²
Minimum:	9.7 dpm/100cm²
Mean:	28.9 dpm/100cm²
Standard Deviation:	13.5
QC Maximum:	67.5 dpm/100cm²
QC Minimum:	46.4 dpm/100cm²
QC Mean:	56.9 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	1.2
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707068	Building: 707

Description: B707 F module floor area between columns D-E, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511798	06/08/04	Electra	3134	DP-6	11/03/04	0.224	NA	48.0	NA	T
2	513731	06/08/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	Q
3	513731	06/08/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R
4	509552	06/29/04	Electra	4681	DP-6	07/16/04	0.207	NA	48.0	NA	I
5	512999	06/20/04	Electra	2376	DP-6	11/27/04	0.229	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

Survey Area: C	Survey Unit: 707068	Building: 707

Description: B707 F module floor area between columns D-E, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707068PRP-N001	3	-0.3	N/A	
707068PRP-N002	3	-0.3	N/A	
707068PRP-N003	3	4.2	N/A	
707068PRP-N004	3	-0.3	N/A	
707068PRP-N005	3	-0.3	N/A	
707068PRP-N006	3	-0.3	N/A	
707068PRP-N007	3	1.2	N/A	
707068PRP-N008	3	-0.3	N/A	
707068PRP-N009	3	-0.3	N/A	
707068PRP-N010	3	-0.3	N/A	
707068PRP-N011	3	-0.3	N/A	
707068PRP-N012	3	1.2	N/A	
707068PRP-N013	3	-0.3	N/A	
707068PRP-N014	3	-0.3	N/A	
707068PRP-N015	3	1.2	N/A	
707068PRP-N016	3	1.2	N/A	
707068PRP-N017	3	-0.3	N/A	

Comments:

80

Survey Area: C	Survey Unit: 707068	Building: 707

Description: B707 F module floor area between columns D-E, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707068PRP-N001	1	24.4	N/A	
707068PRP-N002	1	30.7	N/A	
707068PRP-N003	1	24.4	N/A	
707068PRP-N004	1	9.7	N/A	
707068PRP-N005	1	42.3	N/A	
707068PRP-N006	1	27.5	N/A	
707068PRP-N007	1	42.3	N/A	
707068PRP-N008	1	12.8	N/A	
707068PRP-N009	1	15.5	N/A	
707068PRP-N010	1	21.7	N/A	
707068PRP-N011	1	57.5	N/A	
707068QRP-N011	2	67.5	N/A	
707068PRP-N012	1	30.7	N/A	
707068PRP-N013	1	51.2	N/A	
707068QRP-N013	2	46.4	N/A	
707068PRP-N014	1	36.5	N/A	
707068PRP-N015	1	18.6	N/A	
707068PRP-N016	1	15.5	N/A	
707068PRP-N017	1	30.7	N/A	

Comments: 100% of accessible surface area scanned. All values <300 dpm/100 cm2.

ATTACHMENT B44

Survey Unit 707069 Survey Data and Maps

Investigation Documentation

Survey Unit: **707069**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	F-12	509	Yes	N/A	97.6	N/A	<100
2	Floor	F-12	539	Yes	N/A	32	N/A	<100
3	Floor	E-13	354	Yes	N/A	3	N/a	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 97.6 <100

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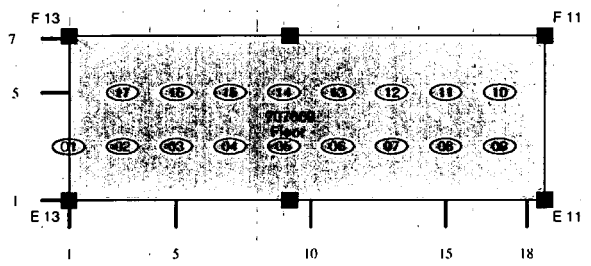
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

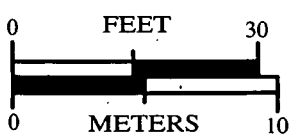
Survey Area: C **Survey Unit: 707069** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

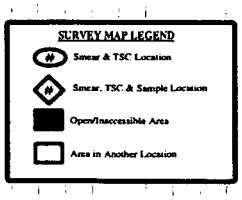
Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 X 2 sq.m**

SURVEY UNIT 707069 - MAP 1 OF 1



Scanned Area





84

Survey Area: C	Survey Unit: 707069	Building: 707

Description: B707 F module floor area between columns E-F, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	46.5 dpm/100cm²
Minimum:	3.8 dpm/100cm²
Mean:	24.1 dpm/100cm²
Standard Deviation:	11.8
QC Maximum:	56.4 dpm/100cm²
QC Minimum:	20.7 dpm/100cm²
QC Mean:	38.6 dpm/100cm²
Transuranic DCGLw:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	-0.1 dpm/100cm²
Standard Deviation:	0.5
Transuranic DCGLw:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707069	Building: 707

cription: B707 F module floor area between columns E-F, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509552	06/11/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	T
2	509284	06/11/04	Electra	3134	DP-6	11/08/04	0.224	NA	48.0	NA	Q
3	509284	06/11/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
4	511798	06/20/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	I
5	509284	06/20/04	Electra	2376	DP-6	11/27/04	0.229	NA	48.0	NA	I
6	509284	06/21/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707069	Building: 707

Description: B707 F module floor area between columns E-F, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707069PRP-N001	3	-0.3	N/A	
707069PRP-N002	3	-0.3	N/A	
707069PRP-N003	3	-0.3	N/A	
707069PRP-N004	3	-0.3	N/A	
707069PRP-N005	3	-0.3	N/A	
707069PRP-N006	3	-0.3	N/A	
707069PRP-N007	3	-0.3	N/A	
707069PRP-N008	3	-0.3	N/A	
707069PRP-N009	3	-0.3	N/A	
707069PRP-N010	3	1.2	N/A	
707069PRP-N011	3	-0.3	N/A	
707069PRP-N012	3	-0.3	N/A	
707069PRP-N013	3	-0.3	N/A	
707069PRP-N014	3	-0.3	N/A	
707069PRP-N015	3	-0.3	N/A	
707069PRP-N016	3	1.2	N/A	
707069PRP-N017	3	-0.3	N/A	

Comments:

87

Survey Area: C	Survey Unit: 707069	Building: 707

Description: B707 F module floor area between columns E-F, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707069PRP-N001	1	20.6	N/A	
707069PRP-N002	1	16.1	N/A	
707069QRP-N002	2	20.7	N/A	
707069PRP-N003	1	19.2	N/A	
707069PRP-N004	1	19.2	N/A	
707069PRP-N005	1	25.2	N/A	
707069PRP-N006	1	5.6	N/A	
707069PRP-N007	1	25.2	N/A	
707069PRP-N008	1	16.1	N/A	
707069PRP-N009	1	40.2	N/A	
707069PRP-N010	1	25.2	N/A	
707069PRP-N011	1	43.3	N/A	
707069PRP-N012	1	3.8	N/A	
707069PRP-N013	1	22.0	N/A	
707069PRP-N014	1	28.3	N/A	
707069PRP-N015	1	19.2	N/A	
707069PRP-N016	1	34.2	N/A	
707069PRP-N017	1	46.5	N/A	
707069QRP-N017	2	56.4	N/A	

Comments: 100% of accessible floor surfaces scanned. All results <300 dpm/100 cm2.

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ATTACHMENT B45

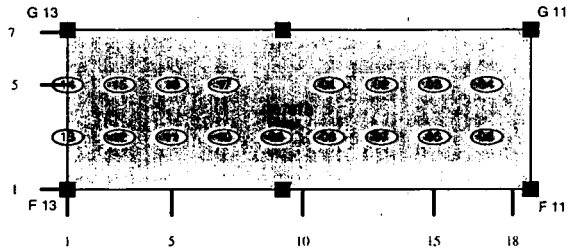
Survey Unit 707070 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

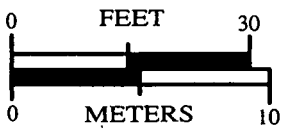
Survey Area: C **Survey Unit: 707070** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707070 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

90

Survey Area: C	Survey Unit: 707070	Building: 707

Description: B707 F module floor area between columns F-G, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	39.0 dpm/100cm²
Minimum:	6.3 dpm/100cm²
Mean:	24.6 dpm/100cm²
Standard Deviation:	8.7
QC Maximum:	-6.4 dpm/100cm²
QC Minimum:	-16.8 dpm/100cm²
QC Mean:	-11.6 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	1.0 dpm/100cm²
Standard Deviation:	0.9
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707070	Building: 707

Description: B707 F module floor area between columns F-G, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513731	06/11/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	T
2	509284	06/11/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	Q
3	509284	06/11/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

92

Survey Area: C	Survey Unit: 707070	Building: 707

Description: B707 F module floor area between columns F-G, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707070PRP-N001	3	1.5	N/A	
707070PRP-N002	3	0.0	N/A	
707070PRP-N003	3	1.5	N/A	
707070PRP-N004	3	0.0	N/A	
707070PRP-N005	3	1.5	N/A	
707070PRP-N006	3	1.5	N/A	
707070PRP-N007	3	1.5	N/A	
707070PRP-N008	3	1.5	N/A	
707070PRP-N009	3	0.0	N/A	
707070PRP-N010	3	0.0	N/A	
707070PRP-N011	3	1.5	N/A	
707070PRP-N012	3	0.0	N/A	
707070PRP-N013	3	0.0	N/A	
707070PRP-N014	3	0.0	N/A	
707070PRP-N015	3	3.0	N/A	
707070PRP-N016	3	1.5	N/A	
707070PRP-N017	3	1.5	N/A	

Comments:

93

Survey Area: C	Survey Unit: 707070	Building: 707

cription: B707 F module floor area between columns F-G, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707070PRP-N001	1	21.1	N/A	
707070PRP-N002	1	9.0	N/A	
707070PRP-N003	1	24.2	N/A	
707070PRP-N004	1	30.0	N/A	
707070PRP-N005	1	35.9	N/A	
707070PRP-N006	1	21.1	N/A	
707070PRP-N007	1	6.3	N/A	
707070PRP-N008	1	21.1	N/A	
707070PRP-N009	1	30.0	N/A	
707070PRP-N010	1	26.9	N/A	
707070QRP-N010	2	-16.8	N/A	
707070PRP-N011	1	26.9	N/A	
707070PRP-N012	1	24.2	N/A	
707070PRP-N013	1	26.9	N/A	
707070PRP-N014	1	17.9	N/A	
707070PRP-N015	1	39.0	N/A	
707070QRP-N015	2	-6.4	N/A	
707070PRP-N016	1	21.1	N/A	
707070PRP-N017	1	35.9	N/A	

Comments: 100% scan of accessible floor surfaces performed. All results <300 dpm/100 cm2.

94

ATTACHMENT B46

Survey Unit 707071 Survey Data and Maps

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Investigation Documentation

Survey Unit: **707071**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-12	537	Yes	N/A	37.9	Yes	26.2
2	Floor	G-13	766	Yes	N/A	98	Yes	42.7
3	Floor	H-12	467	Yes	N/A	9	Yes	34.1

Note 1 = total activity per 600 cm^2 probe

Maximum 97.6 42.7

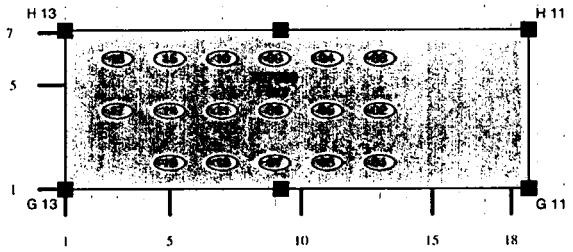
96

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

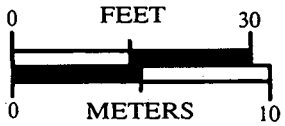
Survey Area: C **Survey Unit: 707071** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707071 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

97

Survey Area: C	Survey Unit: 707071	Building: 707

Description: B707 F module floor area between columns G-H, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 2
Nbr QC Performed: 2

Alpha

Maximum:	39.6 dpm/100cm²
Minimum:	-15.4 dpm/100cm²
Mean:	21.1 dpm/100cm²
Standard Deviation:	14.9
QC Maximum:	43.3 dpm/100cm²
QC Minimum:	43.3 dpm/100cm²
QC Mean:	43.3 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	0.9
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707071	Building: 707

cription: B707 F module floor area between columns G-H, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511798	06/14/04	Electra	2376	DP-6	11/27/04	0.229	NA	48.0	NA	T
2	512999	06/14/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	Q
3	512999	06/14/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R
4	511798	06/20/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	I
5	510198	06/24/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

99

Survey Area: C	Survey Unit: 707071	Building: 707

Description: B707 F module floor area between columns G-H, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707071PRP-N001	3	-0.3	N/A	
707071PRP-N002	3	2.7	N/A	
707071PRP-N003	3	1.2	N/A	
707071PRP-N004	3	1.2	N/A	
707071PRP-N005	3	-0.3	N/A	
707071PRP-N006	3	1.2	N/A	
707071PRP-N007	3	-0.3	N/A	
707071PRP-N008	3	-0.3	N/A	
707071PRP-N009	3	-0.3	N/A	
707071PRP-N010	3	-0.3	N/A	
707071PRP-N011	3	-0.3	N/A	
707071PRP-N012	3	1.2	N/A	
707071PRP-N013	3	-0.3	N/A	
707071PRP-N014	3	1.2	N/A	
707071PRP-N015	3	-0.3	N/A	
707071PRP-N016	3	-0.3	N/A	
707071PRP-N017	3	-0.3	N/A	

Comments:

100

Survey Area: C	Survey Unit: 707071	Building: 707

Description: B707 F module floor area between columns G-H, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707071PRP-N001	1	30.9	N/A	
707071PRP-N002	1	-15.4	N/A	
707071QRP-N002	2	43.3	N/A	
707071PRP-N003	1	28.3	N/A	
707071PRP-N004	1	30.9	N/A	
707071PRP-N005	1	19.6	N/A	
707071PRP-N006	1	7.8	N/A	
707071PRP-N007	1	13.4	N/A	
707071PRP-N008	1	28.3	N/A	
707071PRP-N009	1	30.9	N/A	
707071PRP-N010	1	4.7	N/A	
707071PRP-N011	1	39.6	N/A	
707071PRP-N012	1	39.6	N/A	
707071PRP-N013	1	4.7	N/A	
707071PRP-N014	1	16.5	N/A	
707071PRP-N015	1	13.4	N/A	
707071QRP-N015	2	43.3	N/A	
707071PRP-N016	1	28.3	N/A	
707071PRP-N017	1	37.0	N/A	

Comments: 100% scan performed on accessible floor surfaces. All values <300 dpm/100 cm2.

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ATTACHMENT B47

Survey Unit 707072 Survey Data and Maps

Investigation Documentation

Survey Unit: **707072**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-13	676	Yes	N/A	12.5	N/A	<100
2	Floor	H-13	673	Yes	N/A	46	N/A	<100
3	Floor	H-13	810	Yes	N/A	40	N/a	<100
4	Floor	H-11	434	Yes	N/A	31	N/a	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 46.3 <100

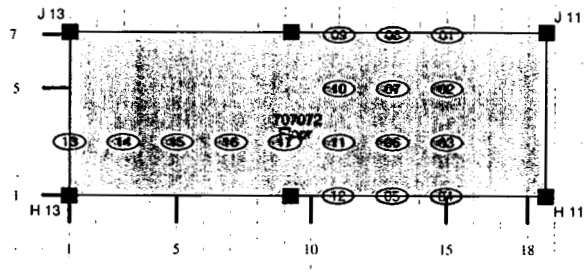
103

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

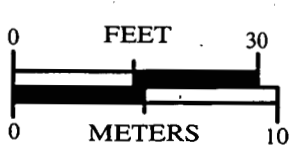
Survey Area: C **Survey Unit: 707072** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707072 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

101

Survey Area: C	Survey Unit: 707072	Building: 707

Description: B707 F module floor area between columns H-J, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 2
Nbr QC Performed: 2

Alpha

Maximum:	83.6 dpm/100cm²
Minimum:	9.5 dpm/100cm²
Mean:	40.7 dpm/100cm²
Standard Deviation:	20.1
QC Maximum:	44.9 dpm/100cm²
QC Minimum:	14.9 dpm/100cm²
QC Mean:	29.9 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.0 dpm/100cm²
Standard Deviation:	0.8
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707072	Building: 707

Description: B707 F module floor area between columns H-J, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513731	06/14/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	T
2	509552	06/14/04	Electra	3134	DP-6	11/03/04	0.224	NA	48.0	NA	Q
3	513731	06/14/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R
4	509552	07/08/04	Electra	4174	DP-6	12/10/04	0.216	NA	48.0	NA	I
5	509552	06/25/04	Electra	4398	DP-6	12/17/04	0.216	NA	48.0	NA	I
6	512999	06/24/04	Electra	3972	DP-6	08/02/04	0.228	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

106

Survey Area: C	Survey Unit: 707072	Building: 707

Description: B707 F module floor area between columns H-J, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707072PRP-N001	3	-0.3	N/A	
707072PRP-N002	3	-0.3	N/A	
707072PRP-N003	3	-0.3	N/A	
707072PRP-N004	3	-0.3	N/A	
707072PRP-N005	3	-0.3	N/A	
707072PRP-N006	3	-0.3	N/A	
707072PRP-N007	3	-0.3	N/A	
707072PRP-N008	3	-0.3	N/A	
707072PRP-N009	3	1.2	N/A	
707072PRP-N010	3	-0.3	N/A	
707072PRP-N011	3	-0.3	N/A	
707072PRP-N012	3	-0.3	N/A	
707072PRP-N013	3	-0.3	N/A	
707072PRP-N014	3	-0.3	N/A	
707072PRP-N015	3	2.7	N/A	
707072PRP-N016	3	-0.3	N/A	
707072PRP-N017	3	-0.3	N/A	

Comments:

107

Survey Area: C	Survey Unit: 707072	Building: 707

Description: B707 F module floor area between columns H-J, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707072PRP-N001	1	74.3	N/A	
707072PRP-N002	1	18.8	N/A	
707072SRP-N003	4	30.1	N/A	
707072PRP-N004	1	83.6	N/A	
707072PRP-N005	1	9.5	N/A	
707072PRP-N006	1	53.0	N/A	
707072PRP-N007	1	31.3	N/A	
707072PRP-N008	1	49.8	N/A	
707072SRP-N009	4	49.3	N/A	
707072PRP-N010	1	55.8	N/A	
707072PRP-N011	1	43.8	N/A	
707072QRP-N011	2	44.9	N/A	
707072PRP-N012	1	25.2	N/A	
707072PRP-N013	1	14.1	N/A	
707072PRP-N014	1	25.2	N/A	
707072PRP-N015	1	49.8	N/A	
707072QRP-N015	2	14.9	N/A	
707072PRP-N016	1	40.5	N/A	
707072PRP-N017	1	37.3	N/A	

Comments: 100% scan performed on all accessible floor surfaces. All values <300 dpm/100 cm2.

108

ATTACHMENT B48

Survey Unit 707073 Survey Data and Maps

109

Investigation Documentation

Survey Unit: **707073**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	J-13	490	Yes	N/A	37.0	Yes	33.0

Note 1 = total activity per 600 cm^2 probe

Maximum 37.0 33.0

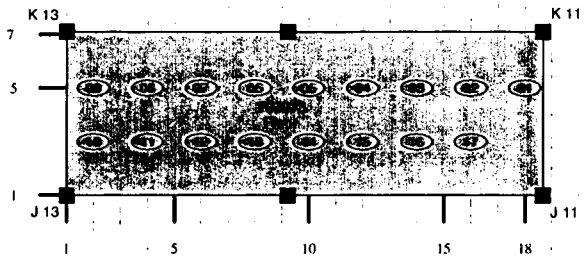
110

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

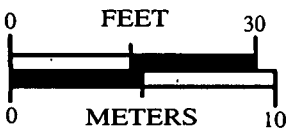
Survey Area: C **Survey Unit: 707073** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707073 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

111

Survey Area: C	Survey Unit: 707073	Building: 707

Description: B707 F module floor area between columns J-K, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	73.5 dpm/100cm²
Minimum:	0.5 dpm/100cm²
Mean:	32.3 dpm/100cm²
Standard Deviation:	18.9
QC Maximum:	-19.5 dpm/100cm²
QC Minimum:	-25.4 dpm/100cm²
QC Mean:	-22.4 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	5.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	1.2 dpm/100cm²
Standard Deviation:	1.5
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707073	Building: 707

Description: B707 F module floor area between columns J-K, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511798	06/14/04	Electra	2376	DP-6	11/27/04	0.229	NA	48.0	NA	T
2	512999	06/14/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	Q
3	512999	06/14/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
4	510198	06/24/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

113

Survey Area: C	Survey Unit: 707073	Building: 707

Description: B707 F module floor area between columns J-K, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707073PRP-N001	3	1.2	N/A	
707073PRP-N002	3	-0.3	N/A	
707073PRP-N003	3	1.2	N/A	
707073PRP-N004	3	2.7	N/A	
707073PRP-N005	3	1.2	N/A	
707073PRP-N006	3	1.2	N/A	
707073PRP-N007	3	5.7	N/A	
707073PRP-N008	3	2.7	N/A	
707073PRP-N009	3	-0.3	N/A	
707073PRP-N010	3	-0.3	N/A	
707073PRP-N011	3	1.2	N/A	
707073PRP-N012	3	1.2	N/A	
707073PRP-N013	3	1.2	N/A	
707073PRP-N014	3	-0.3	N/A	
707073PRP-N015	3	1.2	N/A	
707073PRP-N016	3	-0.3	N/A	
707073PRP-N017	3	1.2	N/A	

Comments:

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Survey Area: C	Survey Unit: 707073	Building: 707

Description: B707 F module floor area between columns J-K, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707073PRP-N001	1	21.1	N/A	
707073PRP-N002	1	73.5	N/A	
707073QRP-N002	2	-25.4	N/A	
707073PRP-N003	1	41.1	N/A	
707073PRP-N004	1	21.1	N/A	
707073PRP-N005	1	35.5	N/A	
707073PRP-N006	1	0.5	N/A	
707073QRP-N006	2	-19.5	N/A	
707073PRP-N007	1	12.3	N/A	
707073PRP-N008	1	18.0	N/A	
707073PRP-N009	1	21.1	N/A	
707073PRP-N010	1	47.3	N/A	
707073PRP-N011	1	18.0	N/A	
707073PRP-N012	1	35.5	N/A	
707073PRP-N013	1	21.1	N/A	
707073PRP-N014	1	32.4	N/A	
707073PRP-N015	1	64.7	N/A	
707073PRP-N016	1	35.5	N/A	
707073PRP-N017	1	49.9	N/A	

Comments: 100% scan performed on all accessible floor surfaces. All values <300 dpm/100 cm2.

115

ATTACHMENT B49

Survey Unit 707074 Survey Data and Maps

Investigation Documentation

Survey Unit: **707074**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	K-13	501	Yes	N/A	90.9	N/A	<100
2	Floor	K-12	402	Yes	N/A	40	N/A	<100
3	Floor	L-11	936	Yes	N/A	3	N/a	<100

Note 1 = total activity per 600 cm^2 probe

Maximum 90.9 <100

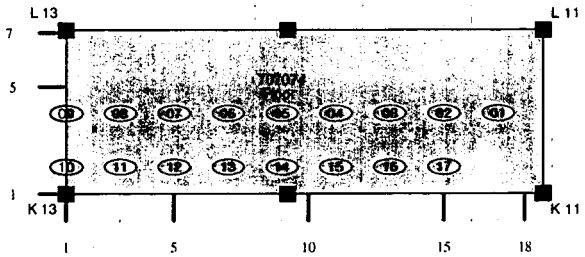
117

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

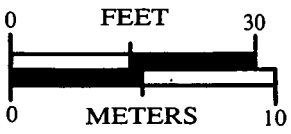
Survey Area: C **Survey Unit: 707074** **Classification: 1**
Building: 707
Survey Unit Description: First floor (F module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707074 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

118

Survey Area: C	Survey Unit: 707074	Building: 707

Description: B707 F module floor area between columns K-L, 11-13

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 0
Nbr QC Performed: 2

Alpha

Maximum:	83.1 dpm/100cm²
Minimum:	8.6 dpm/100cm²
Mean:	32.7 dpm/100cm²
Standard Deviation:	16.7
QC Maximum:	60.5 dpm/100cm²
QC Minimum:	35.5 dpm/100cm²
QC Mean:	48.0 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.0 dpm/100cm²
Standard Deviation:	0.8
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707074	Building: 707

Description: B707 F module floor area between columns K-L, 11-13

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513731	06/14/04	Electra	3134	DP-6	11/03/04	0.224	NA	48.0	NA	T
2	509552	06/14/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	Q
3	513731	06/14/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R
4	512999	06/24/04	Electra	3972	DP-6	08/02/04	0.228	NA	48.0	NA	I
5	512999	06/24/04	Electra	3972	DP-6	08/02/04	0.228	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

120

Survey Area: C	Survey Unit: 707074	Building: 707

Description: B707 F module floor area between columns K-L, 11-13

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707074PRP-N001	3	-0.3	N/A	
707074PRP-N002	3	-0.3	N/A	
707074PRP-N003	3	-0.3	N/A	
707074PRP-N004	3	-0.3	N/A	
707074PRP-N005	3	-0.3	N/A	
707074PRP-N006	3	-0.3	N/A	
707074PRP-N007	3	-0.3	N/A	
707074PRP-N008	3	-0.3	N/A	
707074PRP-N009	3	-0.3	N/A	
707074PRP-N010	3	-0.3	N/A	
707074PRP-N011	3	1.2	N/A	
707074PRP-N012	3	-0.3	N/A	
707074PRP-N013	3	-0.3	N/A	
707074PRP-N014	3	-0.3	N/A	
707074PRP-N015	3	-0.3	N/A	
707074PRP-N016	3	2.7	N/A	
707074PRP-N017	3	-0.3	N/A	

Comments:

121

Survey Area: C	Survey Unit: 707074	Building: 707

Description: B707 F module floor area between columns K-L, 11-13

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707074PRP-N001	1	44.3	N/A	
707074PRP-N002	1	26.4	N/A	
707074PRP-N003	1	32.2	N/A	
707074PRP-N004	1	23.3	N/A	
707074PRP-N005	1	26.4	N/A	
707074PRP-N006	1	38.5	N/A	
707074PRP-N007	1	23.3	N/A	
707074PRP-N008	1	38.5	N/A	
707074PRP-N009	1	35.4	N/A	
707074PRP-N010	1	20.6	N/A	
707074PRP-N011	1	8.6	N/A	
707074PRP-N012	1	32.2	N/A	
707074QRP-N012	2	35.5	N/A	
707074PRP-N013	1	32.2	N/A	
707074PRP-N014	1	11.7	N/A	
707074PRP-N015	1	83.1	N/A	
707074QRP-N015	2	60.5	N/A	
707074PRP-N016	1	29.6	N/A	
707074PRP-N017	1	50.1	N/A	

Comments: 100% scan performed on all accessible floor surfaces. All values <300 dpm/100 cm2.

ATTACHMENT B50

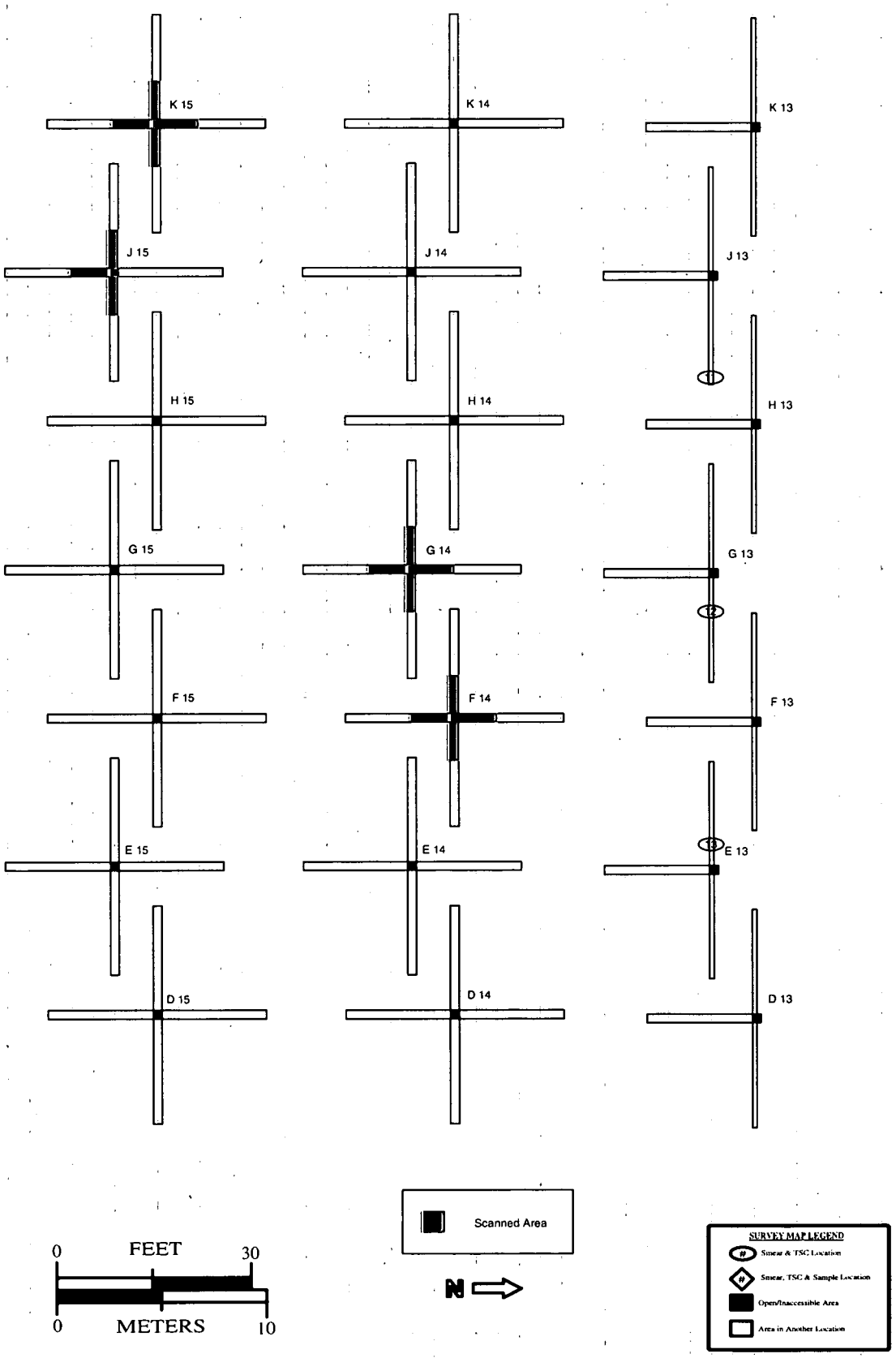
Survey Unit 707075 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C Survey Unit: 707075 Classification: 2
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 0 sq. m Total Area: 1921 sq. m Grid Size: 11 x 11 sq. m

SURVEY UNIT 707075 - MAP 1 OF 2



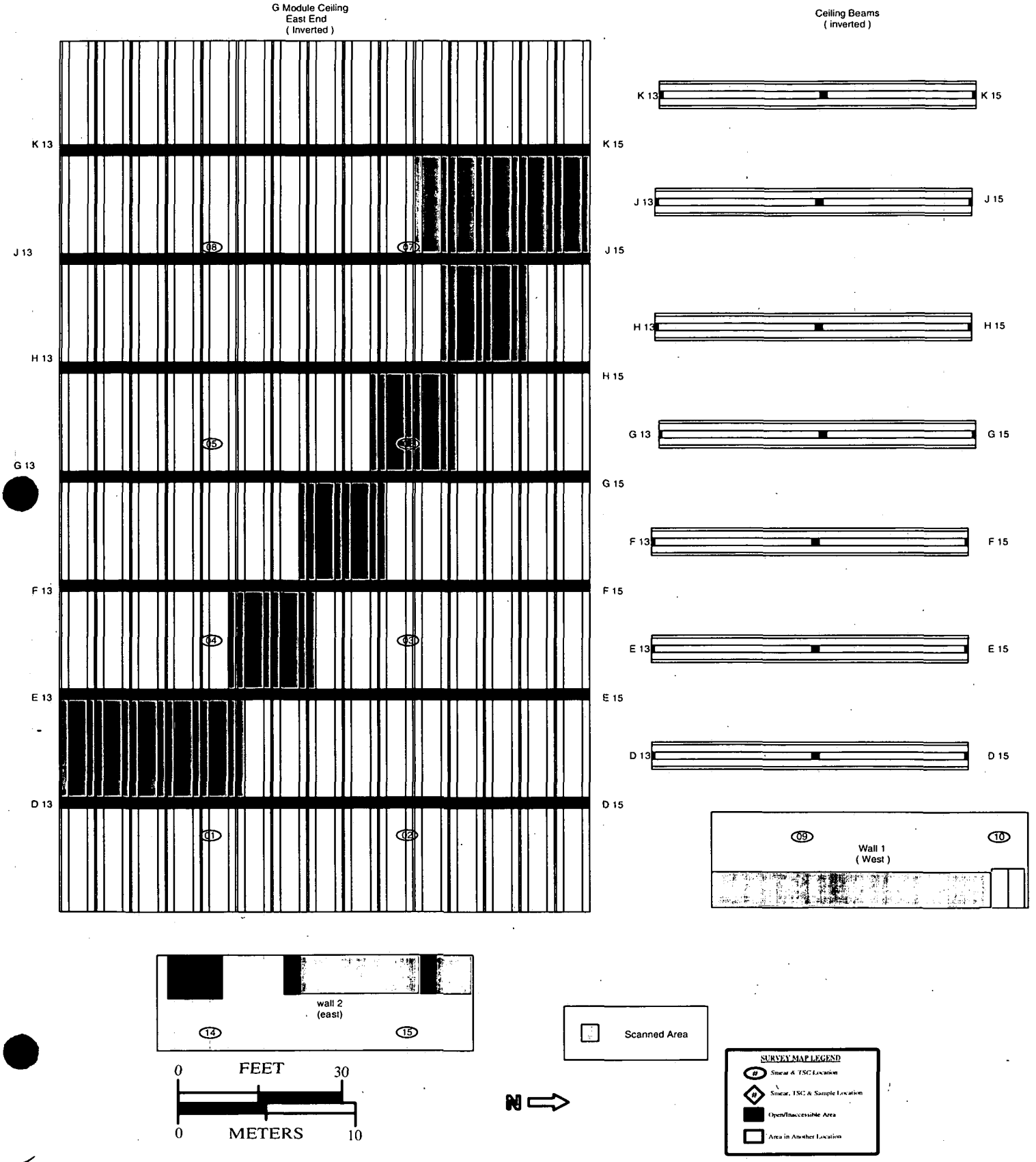
124

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707075** **Classification: 2**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 0 sq. m **Total Area: 1921 sq. m** **Grid Size: 11 x 11 sq.m**

SURVEY UNIT 707075 - MAP 2 OF 2



125

Survey Area: C	Survey Unit: 707075	Building: 707

Description: B 707 1st floor walls, columns and ceiling surfaces in the G module area

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	43.6 dpm/100cm²
Minimum:	1.2 dpm/100cm²
Mean:	18.1 dpm/100cm²
Standard Deviation:	12.2
QC Maximum:	15.2 dpm/100cm²
QC Minimum:	10.8 dpm/100cm²
QC Mean:	13.0 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.9 dpm/100cm²
Standard Deviation:	1.1
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707075	Building: 707

Description: B 707 1st floor walls, columns and ceiling surfaces in the G module area

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509552	06/14/04	Electra	1503	DP-6	07/16/04	0.219	NA	48.0	NA	T
2	509284	06/14/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	T
4	514510	10/15/04	Electra	4175	DP-6	04/06/05	0.212	NA	48.0	NA	T
5	514510	10/15/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707075	Building: 707

Description: B 707 1st floor walls, columns and ceiling surfaces in the G module area

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707075PRP-N001	5	0.0	N/A	
707075PRP-N002	5	1.5	N/A	
707075PRP-N003	5	1.5	N/A	
707075PRP-N004	5	0.0	N/A	
707075PRP-N005	5	3.0	N/A	
707075PRP-N006	5	0.0	N/A	
707075PRP-N007	5	0.0	N/A	
707075PRP-N008	5	3.0	N/A	
707075PRP-N009	5	1.5	N/A	
707075PRP-N010	5	1.5	N/A	
707075PRP-N011	5	0.0	N/A	
707075PRP-N012	5	0.0	N/A	
707075PRP-N013	5	0.0	N/A	
707075PRP-N014	5	1.5	N/A	
707075PRP-N015	5	0.0	N/A	

Comments:

128

Survey Area: C	Survey Unit: 707075	Building: 707

Description: B 707 1st floor walls, columns and ceiling surfaces in the G module area

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707075PRP-N001	4	6.6	N/A	
707075PRP-N002	4	14.1	N/A	
707075PRP-N003	1	16.2	N/A	
707075QRP-N003	2	15.2	N/A	
707075PRP-N004	1	43.6	N/A	
707075PRP-N005	1	37.7	N/A	
707075PRP-N006	1	1.2	N/A	
707075PRP-N007	1	10.3	N/A	
707075PRP-N008	1	25.4	N/A	
707075PRP-N009	1	19.4	N/A	
707075PRP-N010	1	22.2	N/A	
707075PRP-N011	1	3.9	N/A	
707075QRP-N011	2	10.8	N/A	
707075PRP-N012	1	25.4	N/A	
707075PRP-N013	1	3.9	N/A	
707075PRP-N014	4	22.2	N/A	
707075PRP-N015	4	18.9	N/A	

Comments: >25% of the lower walls, and >10% of the upper walls and ceiling were scanned. All values <300 dpm/100 cm2.

ATTACHMENT B51

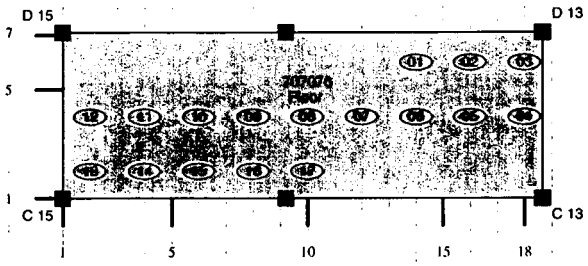
Survey Unit 707076 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

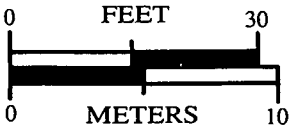
Survey Area: C **Survey Unit: 707076** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707076 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

13

Survey Area: C	Survey Unit: 707076	Building: 707

Description: B707 G module floor area between columns C-D, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 2
Nbr QC Performed: 2

Alpha

Maximum:	46.5 dpm/100cm²
Minimum:	8.8 dpm/100cm²
Mean:	24.4 dpm/100cm²
Standard Deviation:	10.8
QC Maximum:	44.5 dpm/100cm²
QC Minimum:	38.0 dpm/100cm²
QC Mean:	41.2 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17
Nbr Random Measurements Performed: 17
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	0.8
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707076	Building: 707

Description: B707 G module floor area between columns C-D, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	514510	10/12/04	Electra	4175	DP-6	04/06/05	0.212	NA	48.0	NA	T
2	516375	10/12/04	Electra	4173	DP-6	11/04/04	0.218	NA	48.0	NA	T
3	513185	10/12/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

133

Survey Area: C	Survey Unit: 707076	Building: 707

Description: B707 G module floor area between columns C-D, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707076PRP-N001	3	1.2	N/A	
707076PRP-N002	3	1.2	N/A	
707076PRP-N003	3	-0.3	N/A	
707076PRP-N004	3	1.2	N/A	
707076PRP-N005	3	1.2	N/A	
707076PRP-N006	3	-0.3	N/A	
707076PRP-N007	3	-0.3	N/A	
707076PRP-N008	3	-0.3	N/A	
707076PRP-N009	3	-0.3	N/A	
707076PRP-N010	3	-0.3	N/A	
707076PRP-N011	3	1.2	N/A	
707076PRP-N012	3	-0.3	N/A	
707076PRP-N013	3	1.2	N/A	
707076PRP-N014	3	-0.3	N/A	
707076PRP-N015	3	-0.3	N/A	
707076PRP-N016	3	1.2	N/A	
707076PRP-N017	3	1.2	N/A	

Comments:

134

Survey Area: C	Survey Unit: 707076	Building: 707

Description: B707 G module floor area between columns C-D, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707076PRP-N001	1	24.3	N/A	
707076PRP-N002	1	27.6	N/A	
707076PRP-N003	1	8.8	N/A	
707076QRP-N003	2	44.5	N/A	
707076PRP-N004	1	14.9	N/A	
707076PRP-N005	1	43.2	N/A	
707076PRP-N006	1	27.6	N/A	
707076PRP-N007	1	11.6	N/A	
707076PRP-N008	1	21.0	N/A	
707076PRP-N009	1	11.6	N/A	
707076QRP-N009	2	38.0	N/A	
707076PRP-N010	1	46.5	N/A	
707076PRP-N011	1	37.1	N/A	
707076PRP-N012	1	14.9	N/A	
707076PRP-N013	1	30.5	N/A	
707076PRP-N014	1	24.3	N/A	
707076PRP-N015	1	27.6	N/A	
707076PRP-N016	1	24.3	N/A	
707076PRP-N017	1	18.2	N/A	

Comments: 100% of the accessible floor surface was scanned. All values <300 dpm/100 cm2 after remediation.

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ATTACHMENT B52

Survey Unit 707077 Survey Data and Maps

B52

Investigation Documentation

Survey Unit: **707077**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	D-15	326	Yes	N/A	54.5	Yes	46.1
2	Floor	D-15	866	Yes	N/A	36	Yes	68.9
3	Floor	E-15	786	Yes	N/A	58	Yes	57.4
4	Floor	E-15	586	No	N/A	209	Yes	64.5
5	Floor	E-15	455	No	N/A	67	Yes	27.4
3	Floor	D-15	619	Yes	N/A	3	Yes	41.5

Note 1 = total activity per 600 cm^2 probe

Maximum 209.1 68.9

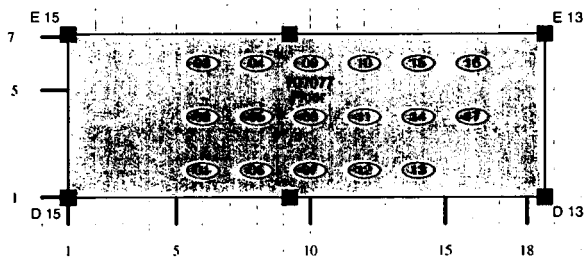
137

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

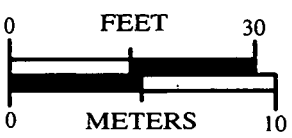
Survey Area: C **Survey Unit: 707077** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

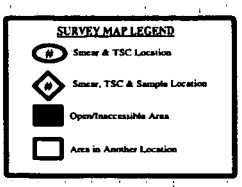
Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.ft**

SURVEY UNIT 707077 - MAP 1 OF 1



Scanned Area





138

Survey Area: C	Survey Unit: 707077	Building: 707

Description: B707 1st floor, G module floor area between columns D-E, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	48.8 dpm/100cm²
Minimum:	3.4 dpm/100cm²
Mean:	24.8 dpm/100cm²
Standard Deviation:	14.6
QC Maximum:	48.0 dpm/100cm²
QC Minimum:	44.8 dpm/100cm²
QC Mean:	46.4 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	0.6
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707077	Building: 707

Description: B707 1st floor, G module floor area between columns D-E, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511798	06/09/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	T
2	513731	06/09/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	Q
3	513731	06/09/04	SAC-4	1474	NA	11/03/04	0.330	NA	10.0	NA	R
7	509552	06/23/04	Electra	4681	DP-6	07/16/04	0.207	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

140

Survey Area: C	Survey Unit: 707077	Building: 707

Description: B707 1st floor, G module floor area between columns D-E, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707077PRP-N001	3	0.0	N/A	
707077PRP-N002	3	0.0	N/A	
707077PRP-N003	3	0.0	N/A	
707077PRP-N004	3	0.0	N/A	
707077PRP-N005	3	0.0	N/A	
707077PRP-N006	3	0.0	N/A	
707077PRP-N007	3	0.0	N/A	
707077PRP-N008	3	0.0	N/A	
707077PRP-N009	3	0.0	N/A	
707077PRP-N010	3	0.0	N/A	
707077PRP-N011	3	1.5	N/A	
707077PRP-N012	3	1.5	N/A	
707077PRP-N013	3	0.0	N/A	
707077PRP-N014	3	0.0	N/A	
707077PRP-N015	3	0.0	N/A	
707077PRP-N016	3	0.0	N/A	
707077PRP-N017	3	1.5	N/A	

Comments:

41

Survey Area: C	Survey Unit: 707077	Building: 707

Description: B707 1st floor, G module floor area between columns D-E, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707077PRP-N001	1	39.7	N/A	
707077PRP-N002	1	21.5	N/A	
707077PRP-N003	1	39.7	N/A	
707077PRP-N004	1	18.4	N/A	
707077PRP-N005	1	3.4	N/A	
707077PRP-N006	1	33.4	N/A	
707077PRP-N007	1	9.3	N/A	
707077PRP-N008	1	36.5	N/A	
707077QRP-N008	2	48.0	N/A	
707077PRP-N009	1	27.4	N/A	
707077PRP-N010	1	36.5	N/A	
707077QRP-N010	2	44.8	N/A	
707077PRP-N011	1	48.8	N/A	
707077PRP-N012	1	3.4	N/A	
707077PRP-N013	1	9.3	N/A	
707077PRP-N014	1	18.4	N/A	
707077PRP-N015	1	42.4	N/A	
707077PRP-N016	1	9.3	N/A	
707077PRP-N017	1	24.3	N/A	

Comments: 100% scan of all accessible surfaces was performed. All areas verified <300 dpm/100 cm2.

ATTACHMENT B53

Survey Unit 707078 Survey Data and Maps

1c13

Investigation Documentation

Survey Unit: **707078**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-12	537	Yes	N/A	37.9	Yes	26.2
2	Floor	G-13	766	Yes	N/A	98	Yes	42.7
3	Floor	H-12	467	Yes	N/A	9	Yes	34.1

Note 1 = total activity per 600 cm^2 probe

Maximum 97.6 | 42.7

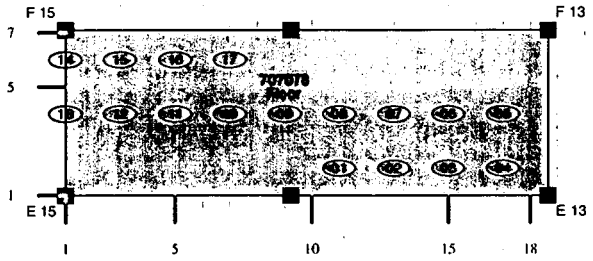
144

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

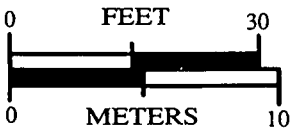
Survey Area: C **Survey Unit: 707078** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707078 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

145

Survey Area: C	Survey Unit: 707078	Building: 707

Description: B707 1st floor, G module floor area between columns E-F, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	69.9 dpm/100cm²
Minimum:	-0.1 dpm/100cm²
Mean:	33.6 dpm/100cm²
Standard Deviation:	18.6
QC Maximum:	83.4 dpm/100cm²
QC Minimum:	53.8 dpm/100cm²
QC Mean:	68.6 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.8 dpm/100cm²
Standard Deviation:	1.5
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707078	Building: 707

cription: B707 1st floor, G module floor area between columns E-F, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	06/06/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	T
2	514510	06/06/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	T/Q
3	514510	06/06/04	SAC-4	1469	NA	11/27/04	0.330	NA	10.0	NA	R
4	509284	06/08/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	I
5	510198	06/09/04	Electra	2376	DP-6	11/23/04	0.229	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707078	Building: 707

Description: B707 1st floor, G module floor area between columns E-F, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707078PRP-N001	3	-0.3	N/A	
707078PRP-N002	3	-0.3	N/A	
707078PRP-N003	3	2.7	N/A	
707078PRP-N004	3	-0.3	N/A	
707078PRP-N005	3	4.2	N/A	
707078PRP-N006	3	-0.3	N/A	
707078PRP-N007	3	2.7	N/A	
707078PRP-N008	3	1.2	N/A	
707078PRP-N009	3	1.2	N/A	
707078PRP-N010	3	-0.3	N/A	
707078PRP-N011	3	-0.3	N/A	
707078PRP-N012	3	-0.3	N/A	
707078PRP-N013	3	2.7	N/A	
707078PRP-N014	3	-0.3	N/A	
707078PRP-N015	3	1.2	N/A	
707078PRP-N016	3	-0.3	N/A	
707078PRP-N017	3	-0.3	N/A	

Comments:

Survey Area: C	Survey Unit: 707078	Building: 707

Description: B707 1st floor, G module floor area between columns E-F, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707078PRP-N001	1	9.0	N/A	
707078PRP-N002	1	30.3	N/A	
707078PRP-N003	1	36.3	N/A	
707078PRP-N004	1	-0.1	N/A	
707078PRP-N005	1	30.3	N/A	
707078PRP-N006	1	15.3	N/A	
707078PRP-N007	1	57.6	N/A	
707078PRP-N008	1	63.5	N/A	
707078QRP-N008	2	53.8	N/A	
707078PRP-N009	1	69.9	N/A	
707078QRP-N009	2	83.4	N/A	
707078PRP-N010	1	30.3	N/A	
707078PRP-N011	1	42.6	N/A	
707078PRP-N012	1	24.4	N/A	
707078PRP-N013	1	33.5	N/A	
707078PRP-N014	1	18.1	N/A	
707078PRP-N015	1	30.3	N/A	
707078PRP-N016	1	30.3	N/A	
707078PRP-N017	1	48.5	N/A	

Comments: 100% of accessible floor surfaces scanned. all results <300 dpm/100 cm2.

ATTACHMENT B54

Survey Unit 707079 Survey Data and Maps

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Investigation Documentation

Survey Unit: **707079**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	E-14	437	No	N/A	85.3	Yes	42.1
2	Floor	F-15	531	No	N/A	54	Yes	35.6
3	Floor	F-15	471	No	N/A	60	Yes	38.5
3	Floor	F-14	394	Yes	N/A	22	Yes	42.4

Note 1 = total activity per 600 cm^2 probe

Maximum 85.3 42.4

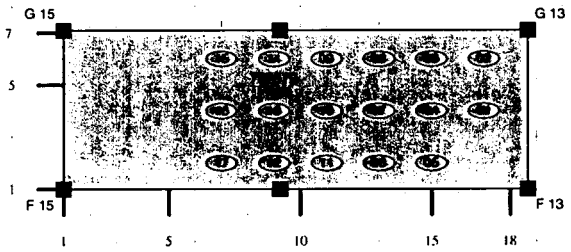
151

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

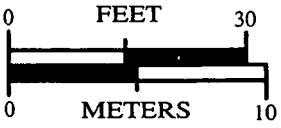
Survey Area: C **Survey Unit: 707079** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707079 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

152

Survey Area: C	Survey Unit: 707079	Building: 707

Description: B707 1st floor, G module floor area between columns F-G, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	42.5 dpm/100cm²
Minimum:	10.7 dpm/100cm²
Mean:	25.0 dpm/100cm²
Standard Deviation:	9.7
QC Maximum:	37.3 dpm/100cm²
QC Minimum:	30.8 dpm/100cm²
QC Mean:	34.0 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	0.9
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707079	Building: 707

cription: B707 1st floor, G module floor area between columns F-G, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509284	06/09/04	Electra	2376	DP-6	11/27/04	0.229	NA	48.0	NA	T
2	509552	06/23/04	Electra	4681	DP-6	07/06/04	0.207	NA	48.0	NA	I/Q
3	509284	06/09/04	SAC-4	1469	NA	11/27/04	0.330	NA	10.0	NA	R
4	509552	07/01/04	Electra	4681	DP-6	07/16/04	0.207	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

154

Survey Area: C	Survey Unit: 707079	Building: 707

Description: B707 1st floor, G module floor area between columns F-G, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707079PRP-N001	3	1.2	N/A	
707079PRP-N002	3	1.2	N/A	
707079PRP-N003	3	1.2	N/A	
707079PRP-N004	3	-0.3	N/A	
707079PRP-N005	3	1.2	N/A	
707079PRP-N006	3	-0.3	N/A	
707079PRP-N007	3	-0.3	N/A	
707079PRP-N008	3	-0.3	N/A	
707079PRP-N009	3	-0.3	N/A	
707079PRP-N010	3	-0.3	N/A	
707079PRP-N011	3	-0.3	N/A	
707079PRP-N012	3	-0.3	N/A	
707079PRP-N013	3	-0.3	N/A	
707079PRP-N014	3	-0.3	N/A	
707079PRP-N015	3	-0.3	N/A	
707079PRP-N016	3	1.2	N/A	
707079PRP-N017	3	2.7	N/A	

Comments:

155

Survey Area: C	Survey Unit: 707079	Building: 707

Description: B707 1st floor, G module floor area between columns F-G, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707079PRP-N001	1	25.1	N/A	
707079QRP-N001	2	37.3	N/A	
707079PRP-N002	1	19.4	N/A	
707079PRP-N003	1	10.7	N/A	
707079PRP-N004	1	42.5	N/A	
707079PRP-N005	1	19.4	N/A	
707079PRP-N006	1	33.8	N/A	
707079PRP-N007	1	16.3	N/A	
707079PRP-N008	1	31.2	N/A	
707079QRP-N008	2	30.8	N/A	
707079PRP-N009	1	16.3	N/A	
707079SRP-N010	4	27.2	N/A	
707079PRP-N011	1	13.7	N/A	
707079PRP-N012	1	31.2	N/A	
707079PRP-N013	1	39.9	N/A	
707079PRP-N014	1	31.2	N/A	
707079PRP-N015	1	25.1	N/A	
707079PRP-N016	1	10.7	N/A	
707079PRP-N017	1	31.2	N/A	

Comments: 100% of floor area scanned. All values <300 dpm/100 cm2.

ATTACHMENT B55

Survey Unit 707080 Survey Data and Maps

Investigation Documentation

Survey Unit: **707080**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	H-14	844	Yes	N/A	16.0	Yes	32.7
2	Floor	G-14	569	Yes	N/A	261	Yes	88.0
3	Floor	G-13	474	Yes	N/A	52	Yes	38.4
4	Floor	G-13	486	Yes	N/A	13	Yes	47.4

Note 1 = total activity per 600 cm^2 probe

Maximum 260.9 | 88.0

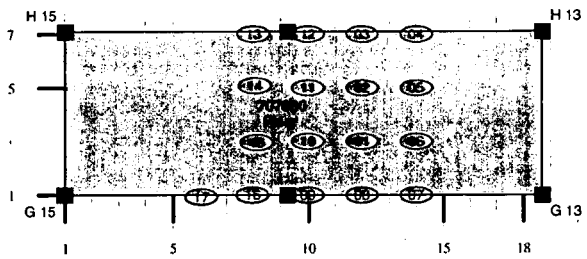
158

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

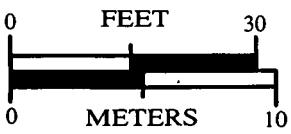
Survey Area: C **Survey Unit: 707080** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707080 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

159

Survey Area: C	Survey Unit: 707080	Building: 707

Description: B707 1st floor, G module floor area between columns G-H, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	59.7 dpm/100cm²
Minimum:	1.4 dpm/100cm²
Mean:	33.7 dpm/100cm²
Standard Deviation:	17.8
QC Maximum:	36.2 dpm/100cm²
QC Minimum:	16.1 dpm/100cm²
QC Mean:	26.2 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	0.9
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707080	Building: 707

cription: B707 1st floor, G module floor area between columns G-H, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509552	06/09/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	T/I
2	509284	06/09/04	Electra	3134	DP-6	11/03/04	0.224	NA	48.0	NA	I/Q
3	509284	06/09/04	SAC-4	1469	NA	11/27/04	0.330	NA	10.0	NA	R
4	510198	06/23/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

161

Survey Area: C	Survey Unit: 707080	Building: 707

Description: B707 1st floor, G module floor area between columns G-H, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707080PRP-N001	3	1.2	N/A	
707080PRP-N002	3	-0.3	N/A	
707080PRP-N003	3	-0.3	N/A	
707080PRP-N004	3	-0.3	N/A	
707080PRP-N005	3	-0.3	N/A	
707080PRP-N006	3	-0.3	N/A	
707080PRP-N007	3	1.2	N/A	
707080PRP-N008	3	1.2	N/A	
707080PRP-N009	3	1.2	N/A	
707080PRP-N010	3	-0.3	N/A	
707080PRP-N011	3	-0.3	N/A	
707080PRP-N012	3	-0.3	N/A	
707080PRP-N013	3	2.7	N/A	
707080PRP-N014	3	-0.3	N/A	
707080PRP-N015	3	-0.3	N/A	
707080PRP-N016	3	-0.3	N/A	
707080PRP-N017	3	1.2	N/A	

Comments:

162

Survey Area: C	Survey Unit: 707080	Building: 707

Description: B707 1st floor, G module floor area between columns G-H, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707080PRP-N001	1	53.7	N/A	
707080PRP-N002	1	41.2	N/A	
707080QRP-N002	2	36.2	N/A	
707080PRP-N003	1	44.4	N/A	
707080PRP-N004	1	41.2	N/A	
707080PRP-N005	1	50.5	N/A	
707080PRP-N006	1	38.4	N/A	
707080PRP-N007	1	25.9	N/A	
707080PRP-N008	1	13.4	N/A	
707080PRP-N009	1	10.6	N/A	
707080QRP-N009	2	16.1	N/A	
707080PRP-N010	1	16.7	N/A	
707080PRP-N011	1	59.7	N/A	
707080PRP-N012	1	1.4	N/A	
707080PRP-N013	1	7.4	N/A	
707080PRP-N014	1	41.2	N/A	
707080PRP-N015	1	31.9	N/A	
707080PRP-N016	1	50.5	N/A	
707080PRP-N017	1	44.4	N/A	

Comments: 100% scan of accessible floor surfaces verified <300 dpm/100 cm2.

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ATTACHMENT B56

Survey Unit 707081 Survey Data and Maps

Investigation Documentation

Survey Unit: **707081**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-13	414	No	N/A	0.0	Yes	16.3

Note 1 = total activity per 600 cm^2 probe

Maximum 0.0 16.3

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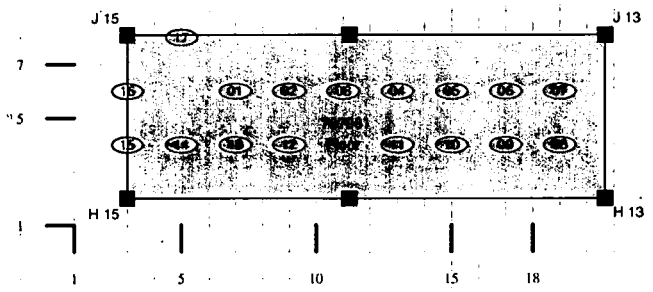
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

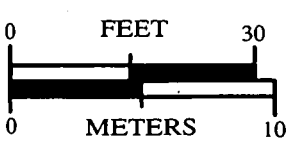
Survey Area: C **Survey Unit: 707081** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707081 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

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Investigation Documentation

Survey Unit: 707081

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Investigation Value (cpm)	Investigation (dpm)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-13	414	0	0	No	N/A	0.0	Yes	16.3

Note 1 = total activity per 600 cm^2 probe

Maximum 0.0 | 16.3

Survey Area: C	Survey Unit: 707081	Building: 707

Description: B707 1st floor, G module floor area between columns H-J, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	61.2 dpm/100cm²
Minimum:	10.7 dpm/100cm²
Mean:	29.5 dpm/100cm²
Standard Deviation:	13.1
QC Maximum:	14.4 dpm/100cm²
QC Minimum:	8.8 dpm/100cm²
QC Mean:	11.6 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	1.2
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707081	Building: 707

cription: B707 1st floor, G module floor area between columns H-J, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509552	06/10/04	Electra	3134	DP-6	11/03/04	0.224	NA	48.0	NA	T
2	512999	06/10/04	Electra	2376	DP-6	11/03/04	0.229	NA	48.0	NA	Q
3	509284	06/10/04	SAC-4	1469	NA	11/27/04	0.333	NA	10.0	NA	R
4	510198	06/11/04	Electra	4174	DP-6	12/10/04	0.216	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707081	Building: 707

Description: B707 1st floor, G module floor area between columns H-J, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707081PRP-N001	3	-0.3	N/A	
707081PRP-N002	3	-0.3	N/A	
707081PRP-N003	3	-0.3	N/A	
707081PRP-N004	3	1.2	N/A	
707081PRP-N005	3	1.2	N/A	
707081PRP-N006	3	-0.3	N/A	
707081PRP-N007	3	4.2	N/A	
707081PRP-N008	3	-0.3	N/A	
707081PRP-N009	3	-0.3	N/A	
707081PRP-N010	3	-0.3	N/A	
707081PRP-N011	3	1.2	N/A	
707081PRP-N012	3	-0.3	N/A	
707081PRP-N013	3	1.2	N/A	
707081PRP-N014	3	1.2	N/A	
707081PRP-N015	3	-0.3	N/A	
707081PRP-N016	3	-0.3	N/A	
707081PRP-N017	3	-0.3	N/A	

Comments:

170

Survey Area: C	Survey Unit: 707081	Building: 707

Description: B707 1st floor, G module floor area between columns H-J, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707081PRP-N001	1	10.7	N/A	
707081PRP-N002	1	13.4	N/A	
707081PRP-N003	1	13.4	N/A	
707081PRP-N004	1	28.6	N/A	
707081PRP-N005	1	16.5	N/A	
707081PRP-N006	1	34.4	N/A	
707081PRP-N007	1	22.3	N/A	
707081PRP-N008	1	31.2	N/A	
707081PRP-N009	1	34.4	N/A	
707081PRP-N010	1	61.2	N/A	
707081QRP-N010	2	8.8	N/A	
707081PRP-N011	1	40.2	N/A	
707081PRP-N012	1	37.5	N/A	
707081PRP-N013	1	34.4	N/A	
707081PRP-N014	1	13.4	N/A	
707081PRP-N015	1	37.5	N/A	
707081QRP-N015	2	14.4	N/A	
707081PRP-N016	1	34.4	N/A	
707081PRP-N017	1	37.5	N/A	

Comments: 100% of accessible floor surfaces scanned with all results <300 dpm/100 cm2.

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ATTACHMENT B57

Survey Unit 707082 Survey Data and Maps

Investigation Documentation

Survey Unit: **707082**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	J-15	602	No	N/A	51.0	Yes	29.9
2	Floor	H-13	414	Yes	N/A	9.1	Yes	31.7

Note 1 = total activity per 600 cm^2 probe

Maximum 9.1 31.7

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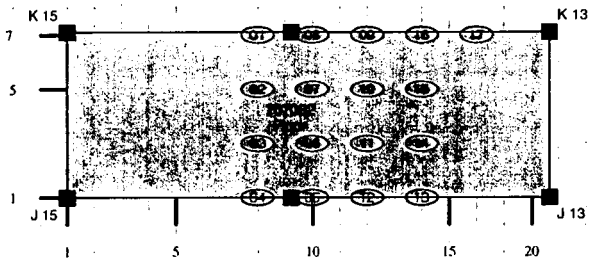
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

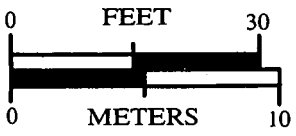
Survey Area: C **Survey Unit: 707082** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707082 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

174

Survey Area: C	Survey Unit: 707082	Building: 707

Description: B707 1st floor, G module floor area between columns J-K, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	87.0 dpm/100cm²
Minimum:	9.6 dpm/100cm²
Mean:	35.2 dpm/100cm²
Standard Deviation:	20.4
QC Maximum:	55.9 dpm/100cm²
QC Minimum:	17.9 dpm/100cm²
QC Mean:	36.9 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.8 dpm/100cm²
Standard Deviation:	0.9
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707082	Building: 707

cription: B707 1st floor, G module floor area between columns J-K, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509552	06/06/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	T
2	509284	06/06/04	Electra	2376	DP-6	12/01/04	0.229	NA	48.0	NA	Q
3	509284	06/06/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
4	510198	06/09/04	Electra	4408	DP-6	11/06/04	0.221	NA	48.0	NA	I
6	512999	06/24/04	Electra	3972	DP-6	08/02/04	0.228	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

176

Survey Area: C	Survey Unit: 707082	Building: 707

Description: B707 1st floor, G module floor area between columns J-K, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707082PRP-N001	3	1.5	N/A	
707082PRP-N002	3	1.5	N/A	
707082PRP-N003	3	0.0	N/A	
707082PRP-N004	3	1.5	N/A	
707082PRP-N005	3	0.0	N/A	
707082PRP-N006	3	1.5	N/A	
707082PRP-N007	3	0.0	N/A	
707082PRP-N008	3	1.5	N/A	
707082PRP-N009	3	0.0	N/A	
707082PRP-N010	3	0.0	N/A	
707082PRP-N011	3	0.0	N/A	
707082PRP-N012	3	1.5	N/A	
707082PRP-N013	3	1.5	N/A	
707082PRP-N014	3	0.0	N/A	
707082PRP-N015	3	0.0	N/A	
707082PRP-N016	3	0.0	N/A	
707082PRP-N017	3	3.0	N/A	

Comments:

177

Survey Area: C	Survey Unit: 707082	Building: 707

Description: B707 1st floor, G module floor area between columns J-K, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707082PRP-N001	1	49.9	N/A	
707082PRP-N002	1	34.2	N/A	
707082PRP-N003	1	24.9	N/A	
707082PRP-N004	1	22.1	N/A	
707082PRP-N005	1	9.6	N/A	
707082QRP-N005	2	17.9	N/A	
707082PRP-N006	1	71.2	N/A	
707082PRP-N007	1	40.7	N/A	
707082PRP-N008	1	40.7	N/A	
707082PRP-N009	1	87.0	N/A	
707082QRP-N009	2	55.9	N/A	
707082PRP-N010	1	46.7	N/A	
707082PRP-N011	1	28.2	N/A	
707082PRP-N012	1	28.2	N/A	
707082PRP-N013	1	37.4	N/A	
707082PRP-N014	1	15.7	N/A	
707082PRP-N015	1	34.2	N/A	
707082PRP-N016	1	12.9	N/A	
707082PRP-N017	1	15.7	N/A	

Comments: 100% of accessible floor surfaces scanned and verified to be <300 dpm/100 cm2.

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ATTACHMENT B58

Survey Unit 707083 Survey Data and Maps

Investigation Documentation

Survey Unit: **707083**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	K-14	351	No	N/A	133.0	Yes	50.9

Note 1 = total activity per 600 cm^2 probe

Maximum 133.0 50.9

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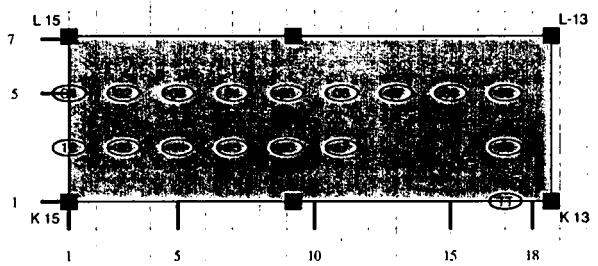
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

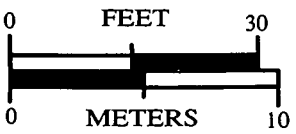
Survey Area: C **Survey Unit: 707083** **Classification: 1**
Building: 707
Survey Unit Description: First floor (G module)

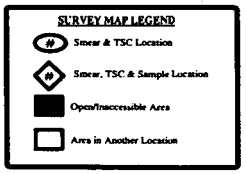
Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707083 - MAP 1 OF 1



Scanned Area





181

Survey Area: C	Survey Unit: 707083	Building: 707

Description: B707 1st floor, G module floor area between columns K-L, 13-15

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	65.3 dpm/100cm²
Minimum:	7.6 dpm/100cm²
Mean:	27.7 dpm/100cm²
Standard Deviation:	17.3
QC Maximum:	80.7 dpm/100cm²
QC Minimum:	32.7 dpm/100cm²
QC Mean:	56.7 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.2 dpm/100cm²
Standard Deviation:	0.7
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707083	Building: 707

cription: B707 1st floor, G module floor area between columns K-L, 13-15

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511798	06/09/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	T
2	513731	06/09/04	Electra	2306	DP-6	11/17/04	0.223	NA	48.0	NA	Q
3	513731	06/09/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R
4	509284	06/10/04	Electra	4174	DP-6	12/01/04	0.216	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

183

Survey Area: C	Survey Unit: 707083	Building: 707

Description: B707 1st floor, G module floor area between columns K-L, 13-15

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707083PRP-N001	3	-0.3	N/A	
707083PRP-N002	3	-0.3	N/A	
707083PRP-N003	3	-0.3	N/A	
707083PRP-N004	3	-0.3	N/A	
707083PRP-N005	3	-0.3	N/A	
707083PRP-N006	3	1.2	N/A	
707083PRP-N007	3	-0.3	N/A	
707083PRP-N008	3	-0.3	N/A	
707083PRP-N009	3	1.2	N/A	
707083PRP-N010	3	1.2	N/A	
707083PRP-N011	3	-0.3	N/A	
707083PRP-N012	3	-0.3	N/A	
707083PRP-N013	3	-0.3	N/A	
707083PRP-N014	3	-0.3	N/A	
707083PRP-N015	3	1.2	N/A	
707083PRP-N016	3	1.2	N/A	
707083PRP-N017	3	1.2	N/A	

Comments:

184

Survey Area: C	Survey Unit: 707083	Building: 707

Description: B707 1st floor, G module floor area between columns K-L, 13-15

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707083PRP-N001	1	23.0	N/A	
707083PRP-N002	1	25.8	N/A	
707083PRP-N003	1	10.8	N/A	
707083PRP-N004	1	25.8	N/A	
707083PRP-N005	1	23.0	N/A	
707083PRP-N006	1	65.3	N/A	
707083QRP-N006	2	80.7	N/A	
707083PRP-N007	1	10.8	N/A	
707083PRP-N008	1	50.3	N/A	
707083QRP-N008	2	32.7	N/A	
707083PRP-N009	1	28.9	N/A	
707083PRP-N010	1	32.1	N/A	
707083PRP-N011	1	28.9	N/A	
707083PRP-N012	1	13.9	N/A	
707083PRP-N013	1	10.8	N/A	
707083PRP-N014	1	7.6	N/A	
707083PRP-N015	1	34.8	N/A	
707083PRP-N016	1	62.1	N/A	
707083PRP-N017	1	16.7	N/A	

Comments: 100% scan of accessible surfaces performed with all values <300 dpm/100 cm2.

ATTACHMENT B59

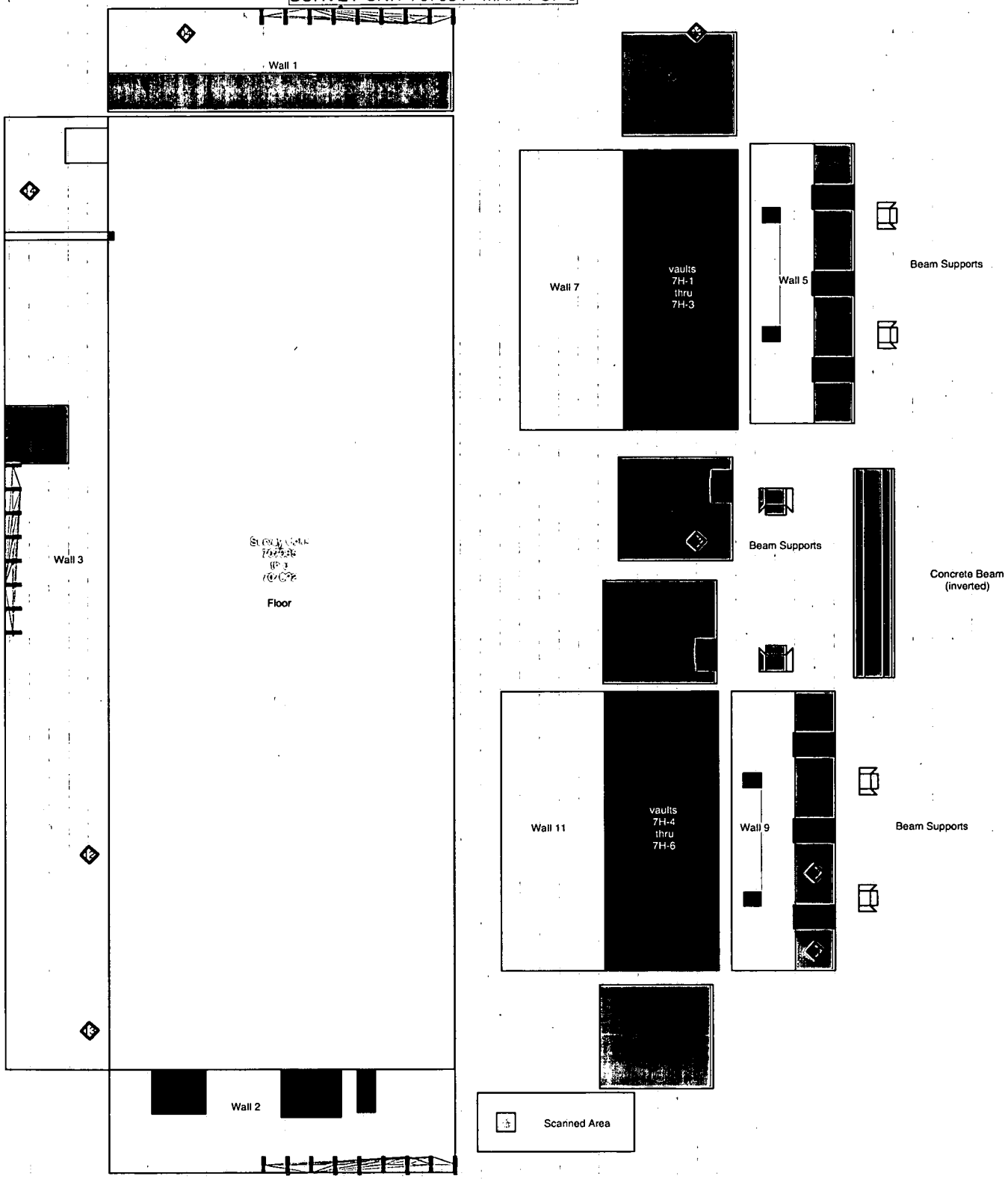
Survey Unit 707084 Survey Data and Maps

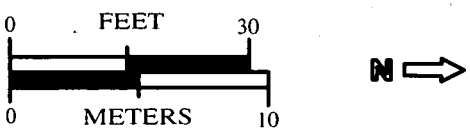
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707084** **Classification: 2**
Building: 707
Survey Unit Description: H Module

Total Floor Area: 0 sq. m **Total Area: 2755 sq. m** **Grid Size: 13 x 13 sq. m**

SURVEY UNIT 707084 - MAP 1 OF 3





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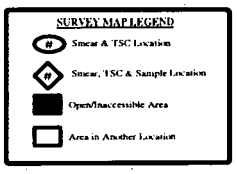


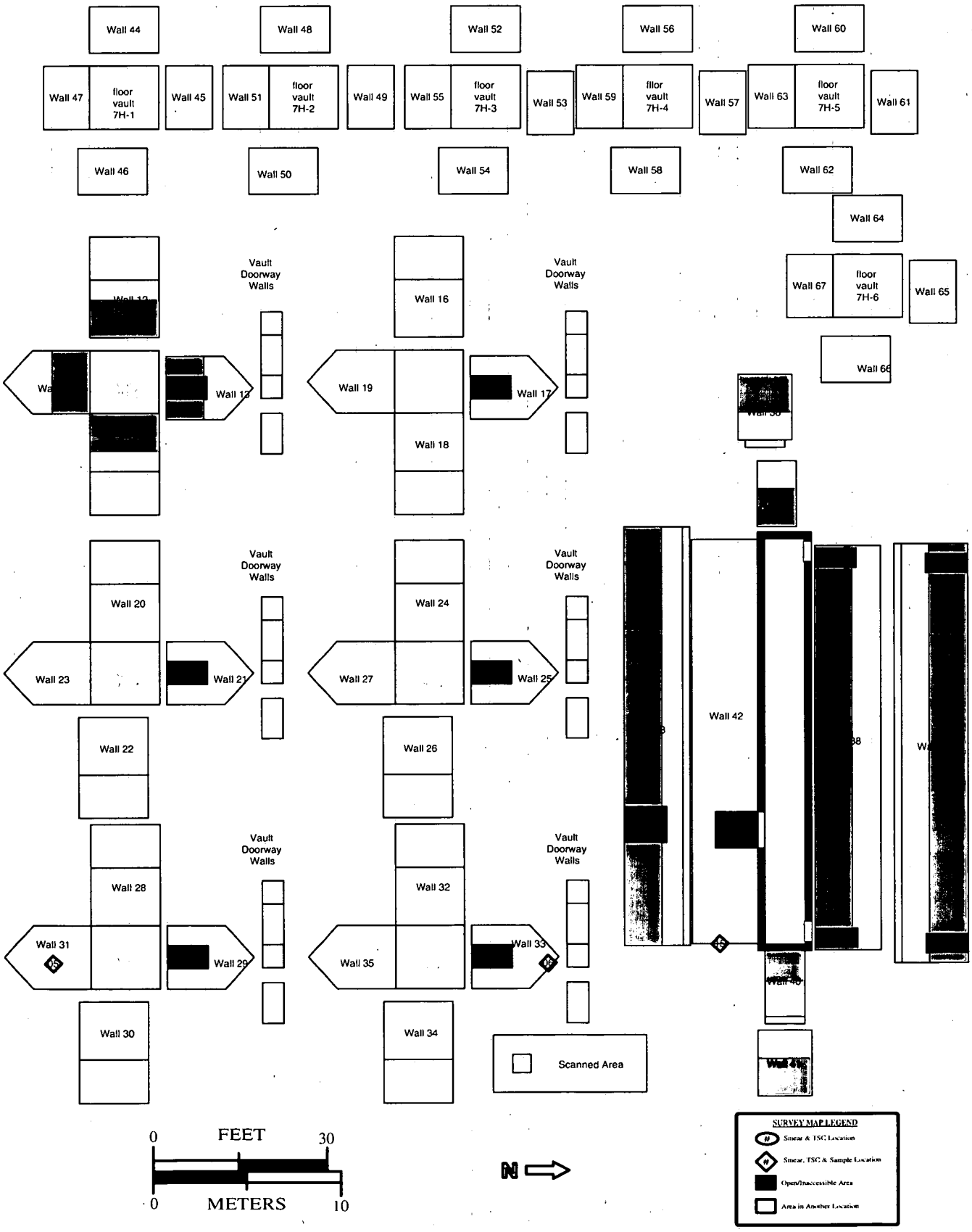
187

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707084** **Classification: 2**
Building: 707
Survey Unit Description: H Module

Total Floor Area: 0 sq. m **Total Area: 2755 sq. m** **Grid Size: 13 x 13 sq. m**

SURVEY UNIT 707084 - MAP 2 OF 3



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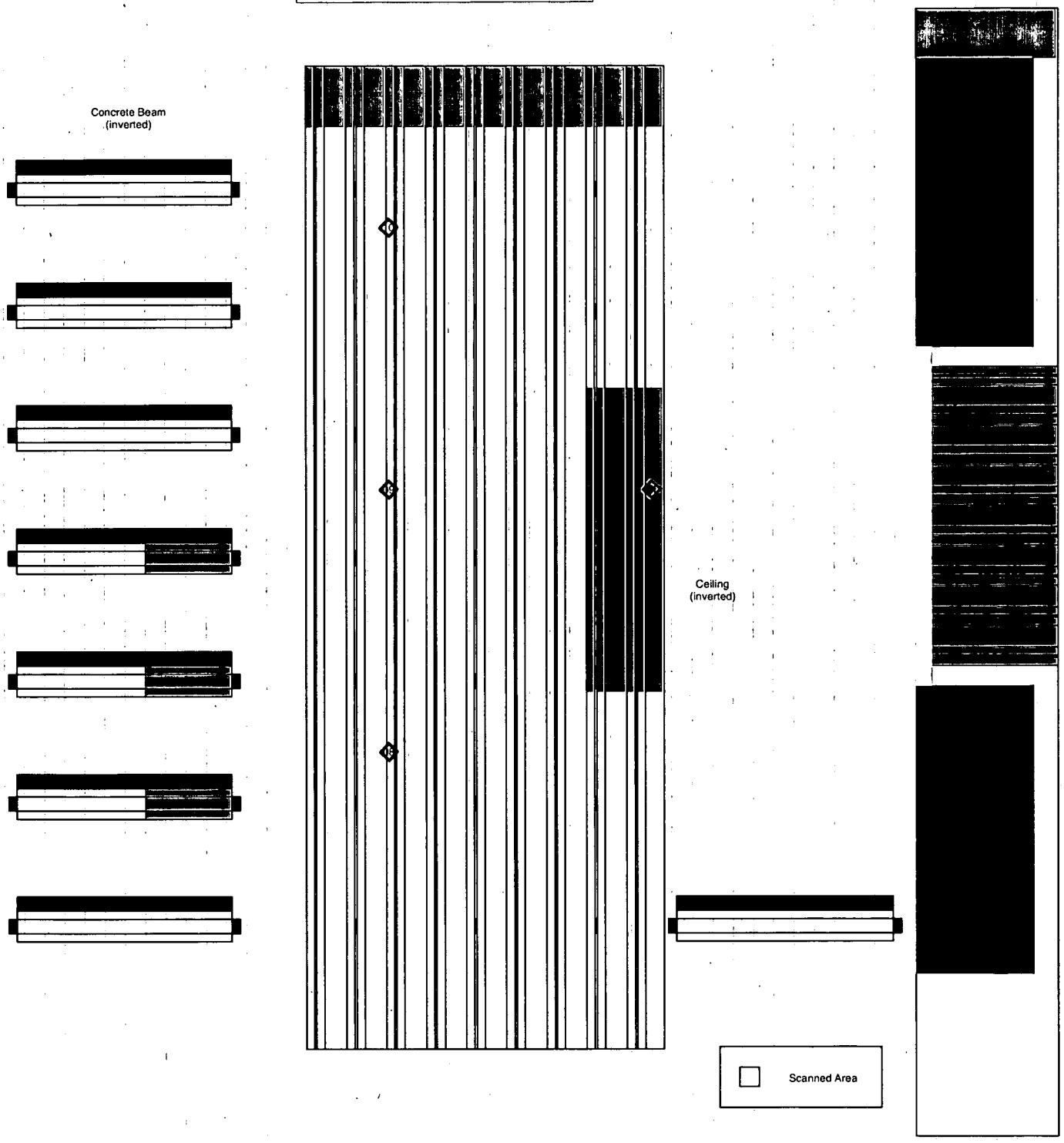
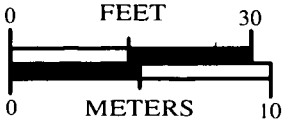
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C Survey Unit: 707084 Classification: 2
Building: 707
Survey Unit Description: H Module

Total Floor Area: 0 sq. m Total Area: 2755 sq. m Grid Size: 13 x 13 sq. m

SURVEY UNIT 707084 - MAP 3 OF 3





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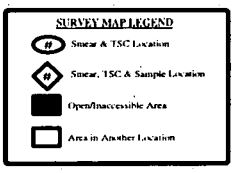


189

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	46.4 dpm/100cm²
Minimum:	-17.2 dpm/100cm²
Mean:	8.3 dpm/100cm²
Standard Deviation:	14.0
QC Maximum:	16.0 dpm/100cm²
QC Minimum:	-10.2 dpm/100cm²
QC Mean:	2.9 dpm/100cm²
Transuranic DCGLw:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.5 dpm/100cm²
Standard Deviation:	1.2
Transuranic DCGLw:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 15 | Nbr Biased Required: 0

Nbr Random Collected: 15 | Nbr Biased Collected: 0

Uranium

Maximum:	NA dpm/100cm²
Minimum:	NA dpm/100cm²
Mean:	NA dpm/100cm²
Standard Deviation:	NA
Uranium DCGLw:	5,000 dpm/100cm²
Uranium DCGLEMC:	15,000 dpm/100cm²

Transuranic

Maximum:	44 dpm/100cm²
Minimum:	7 dpm/100cm²
Mean:	24 dpm/100cm²
Standard Deviation:	11
Transuranic DCGLw:	100 dpm/100cm²
Transuranic DCGLEMC:	300 dpm/100cm²

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

190

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	509552	06/06/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	T
2	509284	06/06/04	Electra	2376	DP-6	11/27/04	0.229	NA	48.0	NA	T/Q
3	509284	06/06/04	SAC-4	1474	NA	11/03/04	0.333	NA	10.0	NA	R
4	511510	06/21/04	Electra	4397	DP-6	09/17/04	0.197	NA	48.0	NA	T
5	514510	06/21/04	SAC-4	1468	NA	07/29/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707084PRP-N001	5	0.0	N/A	
707084PRP-N002	3	4.2	N/A	
707084PRP-N003	3	1.2	N/A	
707084PRP-N004	3	-0.3	N/A	
707084PRP-N005	3	1.2	N/A	
707084PRP-N006	3	-0.3	N/A	
707084PRP-N007	5	0.0	N/A	
707084PRP-N008	3	-0.3	N/A	
707084PRP-N009	3	-0.3	N/A	
707084PRP-N010	3	-0.3	N/A	
707084PRP-N011	3	-0.3	N/A	
707084PRP-N012	5	0.0	N/A	
707084PRP-N013	5	0.0	N/A	
707084PRP-N014	3	1.2	N/A	
707084PRP-N015	3	1.2	N/A	

Comments:

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707084PRP-N001	4	4.2	N/A	
707084PRP-N002	1	16.0	N/A	
707084QRP-N002	2	-10.2	N/A	
707084PRP-N003	1	16.0	N/A	
707084QRP-N003	2	16.0	N/A	
707084PRP-N004	1	46.4	N/A	
707084PRP-N005	1	-17.2	N/A	
707084PRP-N006	1	1.0	N/A	
707084PRP-N007	4	10.8	N/A	
707084PRP-N008	1	6.9	N/A	
707084PRP-N009	1	1.0	N/A	
707084PRP-N010	1	-2.2	N/A	
707084PRP-N011	1	4.2	N/A	
707084PRP-N012	4	4.2	N/A	
707084PRP-N013	4	0.6	N/A	
707084PRP-N014	1	22.3	N/A	
707084PRP-N015	1	10.1	N/A	

Comments: A minimum of 25% of the lower walls (< 2 meters) and 10% of the upper walls (> 2 meters) and ceiling were scanned. All values < 300 dpm/100 cm2.

193

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Media Samples Data Sheet

Site Sample ID / Nbr ---------- Description	Nuclide	Sample (dpm)	Sample MDA (dpm)		Surface Area (in²)	Sample Nuclide (dpm/100cm²)	Sample Nuclide MDA (dpm/100cm²)	Sample Total (dpm/100cm²)
001 1	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	40.6	99.4			24	59	Transuranic
	Am241	9.4300	14.2			3	8	27
002 2	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	65.8	95.9			39	57	Transuranic
	Am241	9.4	13.7			6	8	44
003 3	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	36.4	88.2			22	52	Transuranic
	Am241	5.2	12.6			3	7	25
004 4	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	22.4	91.7			13	54	Transuranic
	Am241	3.2	3.7000			2	8	15
005 5	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	35.0	25.9			21	15	Transuranic
	Am241	5.0	3.7			3	2	24
006 6	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	46.9	74.2			28	44	Transuranic
	Am241	6.7	10.6			4	6	32
007 7	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	35.0	35.7			21	21	Transuranic
	Am241	5.0	5.1			3	3	24

Comments:

194

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Media Samples Data Sheet

Site Sample ID / Nbr ---------- Description	Nuclide	Sample (dpm)	Sample MDA (dpm)		Surface Area (in²)	Sample Nuclide (dpm/100cm²)	Sample Nuclide MDA (dpm/100cm²)	Sample Total (dpm/100cm²)
008 8	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	61.6	109.2			36	64	Transuranic
	Am241	8.8	15.6			5	9	42
009 9	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	9.8	67.9			6	40	Transuranic
	Am241	1.4	9.7			1	6	7
010 10	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	20.3	89.6			12	53	Transuranic
	Am241	2.9	12.8			2	8	14
011 11	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	28.7	32.2			17	19	Transuranic
	Am241	4.1	4.6			2	3	19
012 12	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	26.6	96.6			16	57	Transuranic
	Am241	3.8	13.8			2	8	18
013 13	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	16.1	88.2			10	52	Transuranic
	Am241	2.3	12.6			1	7	11
014 14	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	58.8	88.2			35	52	Transuranic
	Am241	8.4	12.6			5	7	40

195

Survey Area: C	Survey Unit: 707084	Building: 707

Description: B707 walls and ceiling surfaces in H module area. These walls and ceilings were not typically protected from contaminating events by the module walls and ceiling. The autoclave walls and ceiling were exposed to contaminating events in H-module, however contamination > DCGLw is not expected.

Media Samples Data Sheet

Site Sample ID / Nbr ---------- Description	Nuclide	Sample (dpm)	Sample MDA (dpm)		Surface Area (in²)	Sample Nuclide (dpm/100cm²)	Sample Nuclide MDA (dpm/100cm²)	Sample Total (dpm/100cm²)
015 15	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	**Uranium**
	U238	NA	NA			NA	NA	NA
	Pu239/240	22.4	98.0			13	58	**Transuranic**
	Am241	3.2	14.0			2	8	15

196

ATTACHMENT B60

Survey Unit 707085 Survey Data and Maps

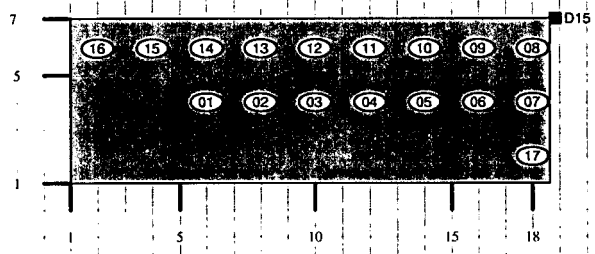
197

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

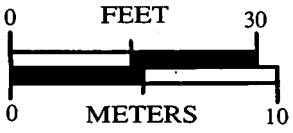
Survey Area: C **Survey Unit: 707085** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 108 sq. m **Total Area: 108 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707085 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

198

Survey Area: C	Survey Unit: 707085	Building: 707

Description: B707 H module floor area between columns C-D, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	50.5 dpm/100cm²
Minimum:	1.9 dpm/100cm²
Mean:	29.4 dpm/100cm²
Standard Deviation:	13.8
QC Maximum:	21.7 dpm/100cm²
QC Minimum:	-1.8 dpm/100cm²
QC Mean:	10.0 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.1 dpm/100cm²
Standard Deviation:	0.7
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

198

Survey Area: C	Survey Unit: 707085	Building: 707

Description: B707 H module floor area between columns C-D, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	516375	10/12/04	Electra	4173	DP-6	11/04/04	0.218	NA	48.0	NA	T
2	516375	10/12/04	SAC-4	760	NA	02/28/05	0.333	NA	10.0	NA	R
3	513185	10/12/04	Electra	3985	DP-6	02/20/05	0.230	NA	48.0	NA	T

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

250

Survey Area: C	Survey Unit: 707085	Building: 707

Description: B707 H module floor area between columns C-D, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707085PRP-N001	2	-0.3	N/A	
707085PRP-N002	2	-0.3	N/A	
707085PRP-N003	2	-0.3	N/A	
707085PRP-N004	2	1.2	N/A	
707085PRP-N005	2	-0.3	N/A	
707085PRP-N006	2	-0.3	N/A	
707085PRP-N007	2	-0.3	N/A	
707085PRP-N008	2	1.2	N/A	
707085PRP-N009	2	-0.3	N/A	
707085PRP-N010	2	1.2	N/A	
707085PRP-N011	2	-0.3	N/A	
707085PRP-N012	2	-0.3	N/A	
707085PRP-N013	2	-0.3	N/A	
707085PRP-N014	2	-0.3	N/A	
707085PRP-N015	2	-0.3	N/A	
707085PRP-N016	2	1.2	N/A	
707085PRP-N017	2	1.2	N/A	

Comments:

201

Survey Area: C	Survey Unit: 707085	Building: 707

Description: B707 H module floor area between columns C-D, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707085PRP-N001	1	17.0	N/A	
707085PRP-N002	1	26.2	N/A	
707085PRP-N003	1	47.7	N/A	
707085PRP-N004	1	41.3	N/A	
707085QRP-N004	3	21.7	N/A	
707085PRP-N005	1	44.5	N/A	
707085PRP-N006	1	38.6	N/A	
707085PRP-N007	1	35.3	N/A	
707085PRP-N008	1	29.4	N/A	
707085PRP-N009	1	1.9	N/A	
707085PRP-N010	1	29.4	N/A	
707085PRP-N011	1	4.6	N/A	
707085PRP-N012	1	17.0	N/A	
707085PRP-N013	1	20.2	N/A	
707085PRP-N014	1	32.1	N/A	
707085QRP-N014	3	-1.8	N/A	
707085PRP-N015	1	32.1	N/A	
707085PRP-N016	1	50.5	N/A	
707085PRP-N017	1	32.1	N/A	

Comments: 100% of the accessible floor surfaces were scanned. All values < 300 dpm/100 cm2 after remediation.

202

ATTACHMENT B61

Survey Unit 707086 Survey Data and Maps

Investigation Documentation

Survey Unit: **707086**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	D-16	388	Yes	N/A	43	Yes	8

Note 1 = total activity per 600 cm^2 probe

Maximum 43.0 8.0

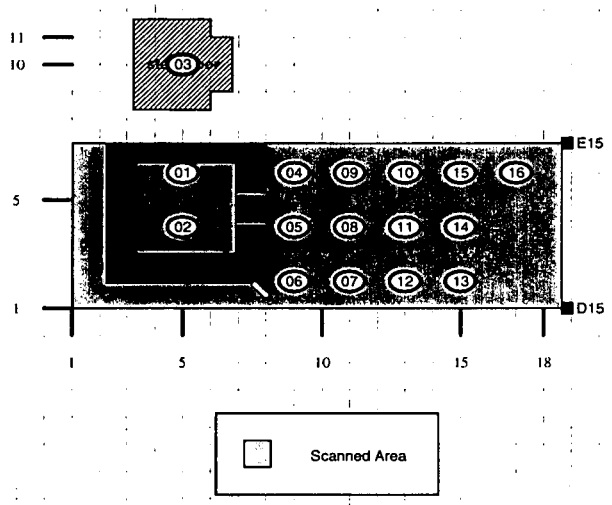
204

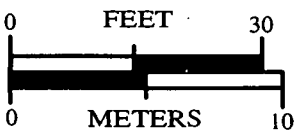
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

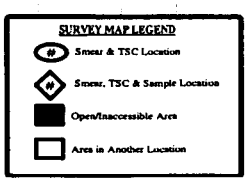
Survey Area: C **Survey Unit: 707086** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 102 sq. m **Total Area: 102 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707086 - MAP 1 OF 1







205

Survey Area: C	Survey Unit: 707086	Building: 707

Description: B707 H module floor area between columns D-E, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 16
Nbr Random Measurements Performed: 16
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0
Nbr QC Required: 2
Nbr QC Performed: 2

Alpha

Maximum:	51.3 dpm/100cm²
Minimum:	3.1 dpm/100cm²
Mean:	22.3 dpm/100cm²
Standard Deviation:	13.2
QC Maximum:	37.2 dpm/100cm²
QC Minimum:	31.2 dpm/100cm²
QC Mean:	34.2 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 16
Nbr Random Measurements Performed: 16
Nbr Biased Measurements Required: 0
Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.8 dpm/100cm²
Minimum:	-1.2 dpm/100cm²
Mean:	-0.6 dpm/100cm²
Standard Deviation:	0.9
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0
Nbr Random Collected: 0
Nbr Biased Required: 0
Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

206

Survey Area: C	Survey Unit: 707086	Building: 707

Description: B707 H module floor area between columns D-E, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	514510	05/25/04	Electra	1266	DP-6	07/27/04	0.222	NA	48.0	NA	T
2	511510	05/25/04	Electra	3974	DP-6	09/04/04	0.215	NA	48.0	NA	Q
3	513185	05/25/04	SAC-4	1265	NA	09/15/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

207

Survey Area: C	Survey Unit: 707086	Building: 707

Description: B707 H module floor area between columns D-E, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707086PRP-N001	3	-1.2	N/A	
707086PRP-N002	3	0.3	N/A	
707086PRP-N003	3	-1.2	N/A	
707086PRP-N004	3	0.3	N/A	
707086PRP-N005	3	0.3	N/A	
707086PRP-N006	3	1.8	N/A	
707086PRP-N007	3	0.3	N/A	
707086PRP-N008	3	-1.2	N/A	
707086PRP-N009	3	-1.2	N/A	
707086PRP-N010	3	-1.2	N/A	
707086PRP-N011	3	-1.2	N/A	
707086PRP-N012	3	-1.2	N/A	
707086PRP-N013	3	-1.2	N/A	
707086PRP-N014	3	-1.2	N/A	
707086PRP-N015	3	-1.2	N/A	
707086PRP-N016	3	-1.2	N/A	

Comments:

208

Survey Area: C	Survey Unit: 707086	Building: 707

Description: B707 H module floor area between columns D-E, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707086PRP-N001	1	6.3	N/A	
707086PRP-N002	1	42.3	N/A	
707086PRP-N003	1	3.1	N/A	
707086PRP-N004	1	39.2	N/A	
707086PRP-N005	1	27.0	N/A	
707086PRP-N006	1	21.1	N/A	
707086QRP-N006	2	37.2	N/A	
707086PRP-N007	1	6.3	N/A	
707086PRP-N008	1	15.3	N/A	
707086PRP-N009	1	21.1	N/A	
707086PRP-N010	1	15.3	N/A	
707086PRP-N011	1	51.3	N/A	
707086PRP-N012	1	18.0	N/A	
707086PRP-N013	1	27.0	N/A	
707086PRP-N014	1	18.0	N/A	
707086QRP-N014	2	31.2	N/A	
707086PRP-N015	1	27.0	N/A	
707086PRP-N016	1	18.0	N/A	

Comments: 100% scan was performed on all accessible surfaces. All values after investigation and/or spot remediation <300 dpm/100 cm2.

ATTACHMENT B62

Survey Unit 707087 Survey Data and Maps

Investigation Documentation

Survey Unit: **707087**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	F-15	1724	Yes	N/A	<300	Yes	<100
2	Floor	F-15	317	Yes	N/A	<300	Yes	<100
3	Floor	F-15	5824	Yes	N/A	<300	Yes	<100
4	Floor	E-15	769	Yes	N/A	<300	Yes	<100
5	Floor	E-15	452	Yes	N/A	<300	Yes	<100

Note 1 = total activity per 600 cm^2 probe

Maximum <300 <100

Comment: These areas were remediated and then re-scanned. All values <300 dpm/100 cm2 after remediation.

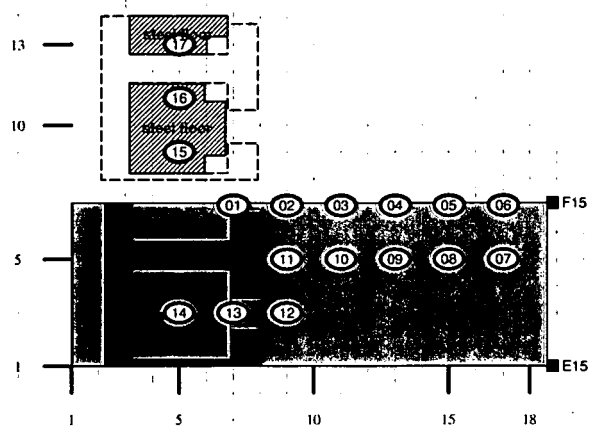
211

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

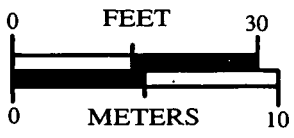
Survey Area: C **Survey Unit: 707087** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 107 sq. m **Total Area: 107 sq. m** **Grid Size:2 x 2 sq. m**

SURVEY UNIT 707087 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

212

Survey Area: C	Survey Unit: 707087	Building: 707

Description: B707 H module floor area between columns E-F, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	53.7 dpm/100cm²
Minimum:	-9.3 dpm/100cm²
Mean:	21.5 dpm/100cm²
Standard Deviation:	15.6
QC Maximum:	52.6 dpm/100cm²
QC Minimum:	46.5 dpm/100cm²
QC Mean:	49.5 dpm/100cm²
Transuranic DCGLw:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	0.7
Transuranic DCGLw:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707087	Building: 707

cription: B707 H module floor area between columns E-F, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	514510	05/25/04	Electra	1266	DP-6	07/27/04	0.222	NA	48.0	NA	T
2	513185	05/25/04	Electra	3974	DP-6	09/04/04	0.215	NA	48.0	NA	Q
3	511510	05/25/04	SAC-4	964	NA	09/30/04	0.333	NA	10.0	NA	R
4	509284	07/21/04	Electra	2376	DP-6	11/27/04	0.234	NA	48.0	NA	I
5	513185	06/04/04	Electra	1194	DP-6	09/08/04	0.220	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

214

Survey Area: C	Survey Unit: 707087	Building: 707

Description: B707 H module floor area between columns E-F, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707087PRP-N001	3	0.0	N/A	
707087PRP-N002	3	1.5	N/A	
707087PRP-N003	3	0.0	N/A	
707087PRP-N004	3	0.0	N/A	
707087PRP-N005	3	1.5	N/A	
707087PRP-N006	3	0.0	N/A	
707087PRP-N007	3	0.0	N/A	
707087PRP-N008	3	1.5	N/A	
707087PRP-N009	3	0.0	N/A	
707087PRP-N010	3	0.0	N/A	
707087PRP-N011	3	0.0	N/A	
707087PRP-N012	3	0.0	N/A	
707087PRP-N013	3	1.5	N/A	
707087PRP-N014	3	0.0	N/A	
707087PRP-N015	3	1.5	N/A	
707087PRP-N016	3	0.0	N/A	
707087PRP-N017	3	0.0	N/A	

Comments:

215

Survey Area: C	Survey Unit: 707087	Building: 707

Description: B707 H module floor area between columns E-F, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707087PRP-N001	1	17.7	N/A	
707087PRP-N002	1	26.7	N/A	
707087PRP-N003	1	26.7	N/A	
707087PRP-N004	1	20.8	N/A	
707087PRP-N005	1	20.8	N/A	
707087QRP-N005	2	46.5	N/A	
707087PRP-N006	1	24.0	N/A	
707087PRP-N007	1	8.7	N/A	
707087PRP-N008	1	29.9	N/A	
707087PRP-N009	1	2.8	N/A	
707087PRP-N010	1	53.7	N/A	
707087QRP-N010	2	52.6	N/A	
707087PRP-N011	1	53.7	N/A	
707087PRP-N012	1	26.7	N/A	
707087PRP-N013	1	17.7	N/A	
707087PRP-N014	1	11.8	N/A	
707087PRP-N015	1	17.7	N/A	
707087PRP-N016	1	-9.3	N/A	
707087PRP-N017	1	15.0	N/A	

Comments: 100% of accessible floor surfaces were scanned. All values verified to be <300 dpm/100 cm2.

216

ATTACHMENT B63

Survey Unit 707088 Survey Data and Maps

Investigation Documentation

Survey Unit: **707088**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	G-15	533	Yes	N/A	36	Yes	7.5
2	Floor	G-15	347	Yes	N/A	29	Yes	6.1
3	Floor	G-15	616	Yes	N/A	38	Yes	8.1

Note 1 = total activity per 600 cm^2 probe

Maximum 38 8.1

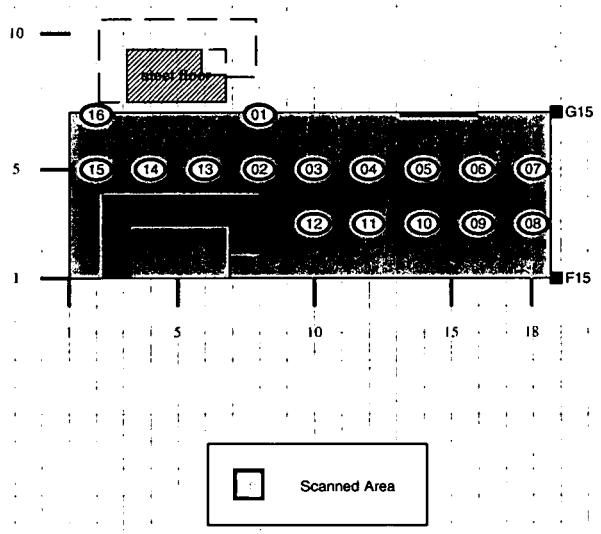
218

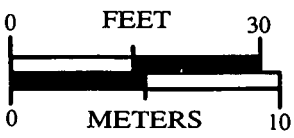
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707088** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 104 sq. m **Total Area: 104 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707088 - MAP 1 OF 1





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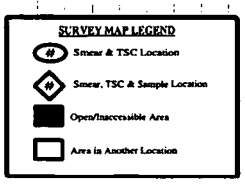


219

Survey Area: C	Survey Unit: 707088	Building: 707

Description: B707 - H module floor area between columns F-G, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	60.1 dpm/100cm²
Minimum:	4.1 dpm/100cm²
Mean:	32.0 dpm/100cm²
Standard Deviation:	15.6
QC Maximum:	66.5 dpm/100cm²
QC Minimum:	60.2 dpm/100cm²
QC Mean:	63.3 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	0.0 dpm/100cm²
Minimum:	-1.5 dpm/100cm²
Mean:	-0.6 dpm/100cm²
Standard Deviation:	0.8
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

220

Survey Area: C	Survey Unit: 707088	Building: 707

cription: B707 - H module floor area between columns F-G, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	05/26/04	Electra	3260	DP-6	10/03/04	0.214	NA	48.0	NA	T
2	514510	05/26/04	Electra	4175	DP-6	10/07/04	0.221	NA	48.0	NA	Q
3	511510	05/26/04	SAC-4	1265	NA	09/15/04	0.333	NA	10.0	NA	R
4	513185	06/03/04	Electra	4398	DP-6	06/09/04	0.210	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

221

Survey Area: C	Survey Unit: 707088	Building: 707

Description: B707 - H module floor area between columns F-G, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707088PRP-N001	3	0.0	N/A	
707088PRP-N002	3	0.0	N/A	
707088PRP-N003	3	-1.5	N/A	
707088PRP-N004	3	0.0	N/A	
707088PRP-N005	3	-1.5	N/A	
707088PRP-N006	3	0.0	N/A	
707088PRP-N007	3	0.0	N/A	
707088PRP-N008	3	-1.5	N/A	
707088PRP-N009	3	-1.5	N/A	
707088PRP-N010	3	0.0	N/A	
707088PRP-N011	3	0.0	N/A	
707088PRP-N012	3	-1.5	N/A	
707088PRP-N013	3	0.0	N/A	
707088PRP-N014	3	0.0	N/A	
707088PRP-N015	3	-1.5	N/A	
707088PRP-N016	3	0.0	N/A	

Comments:

222

Survey Area: C	Survey Unit: 707088	Building: 707

Description: B707 - H module floor area between columns F-G, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707088PRP-N001	1	19.5	N/A	
707088PRP-N002	1	60.1	N/A	
707088QRP-N002	2	66.5	N/A	
707088PRP-N003	1	34.9	N/A	
707088PRP-N004	1	28.8	N/A	
707088PRP-N005	1	19.5	N/A	
707088PRP-N006	1	4.1	N/A	
707088PRP-N007	1	13.4	N/A	
707088PRP-N008	1	10.1	N/A	
707088PRP-N009	1	41.4	N/A	
707088PRP-N010	1	44.2	N/A	
707088QRP-N010	2	60.2	N/A	
707088PRP-N011	1	22.7	N/A	
707088PRP-N012	1	47.5	N/A	
707088PRP-N013	1	38.2	N/A	
707088PRP-N014	1	44.2	N/A	
707088PRP-N015	1	41.4	N/A	
707088PRP-N016	1	41.4	N/A	

Comments: 100% scan performed on accessible floor surfaces. All values <300 dpm/100 cm2.

ATTACHMENT B64

Survey Unit 707089 Survey Data and Maps

Investigation Documentation

Survey Unit: **707089**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-15	862	Yes	N/A	23	Yes	5
2	Floor	H-15	748	Yes	N/A	37	Yes	8
3	Floor	H-15	649	Yes	N/A	21	Yes	5

Note 1 = total activity per 600 cm^2 probe

Maximum 36.6 | 8.2

225

Investigation Documentation

Survey Unit: 707089

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Investigation Value (cpm)	Investigation (dpm)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	H-15	862	85	381	Yes	N/A	23	Yes	5
2	Floor	H-15	748	85	381	Yes	N/A	37	Yes	8
3	Floor	H-15	649	7	35	Yes	N/A	21	Yes	5

Note 1 = total activity per 600 cm^2 probe

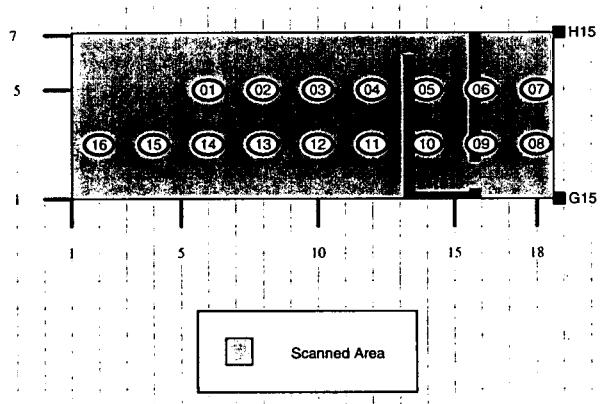
Maximum 36.6 8.2

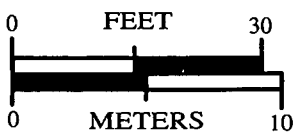
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707089** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 104 sq. m **Total Area: 104 sq. m** **Grid Size: 2 x2 sq. m**

SURVEY UNIT 707089 - MAP 1 OF 1





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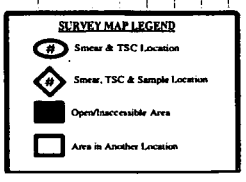

227

Survey Area: C	Survey Unit: 707089	Building: 707

Description: B707 1st floor - H module floor area between columns G-H, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	48.3 dpm/100cm²
Minimum:	-7.8 dpm/100cm²
Mean:	26.7 dpm/100cm²
Standard Deviation:	13.3
QC Maximum:	81.5 dpm/100cm²
QC Minimum:	48.5 dpm/100cm²
QC Mean:	65.0 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	-1.5 dpm/100cm²
Mean:	-0.7 dpm/100cm²
Standard Deviation:	0.9
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707089	Building: 707

Description: B707 1st floor - H module floor area between columns G-H, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	05/26/04	Electra	3260	DP-6	10/03/04	0.214	NA	48.0	NA	T
2	514510	05/26/04	Electra	4175	DP-6	10/03/04	0.221	NA	48.0	NA	Q
3	511510	05/26/04	SAC-4	1265	NA	09/15/04	0.333	NA	10.0	NA	R
4	513185	06/03/04	Electra	3985	DP-6	09/16/04	0.223	NA	48.0	NA	I
5	514510	06/23/04	Electra	4680	DP-6	08/20/04	0.225	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

.229

Survey Area: C	Survey Unit: 707089	Building: 707

Description: B707 1st floor - H module floor area between columns G-H, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707089PRP-N001	3	0.0	N/A	
707089PRP-N002	3	0.0	N/A	
707089PRP-N003	3	-1.5	N/A	
707089PRP-N004	3	0.0	N/A	
707089PRP-N005	3	-1.5	N/A	
707089PRP-N006	3	0.0	N/A	
707089PRP-N007	3	-1.5	N/A	
707089PRP-N008	3	-1.5	N/A	
707089PRP-N009	3	-1.5	N/A	
707089PRP-N010	3	-1.5	N/A	
707089PRP-N011	3	1.5	N/A	
707089PRP-N012	3	-1.5	N/A	
707089PRP-N013	3	-1.5	N/A	
707089PRP-N014	3	-1.5	N/A	
707089PRP-N015	3	0.0	N/A	
707089PRP-N016	3	0.0	N/A	

Comments:

230

Survey Area: C	Survey Unit: 707089	Building: 707

Description: B707 1st floor - H module floor area between columns G-H, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707089PRP-N001	1	29.6	N/A	
707089PRP-N002	1	29.6	N/A	
707089PRP-N003	1	42.2	N/A	
707089QRP-N003	2	81.5	N/A	
707089PRP-N004	1	48.3	N/A	
707089PRP-N005	1	20.3	N/A	
707089PRP-N006	1	10.9	N/A	
707089PRP-N007	1	29.6	N/A	
707089PRP-N008	1	35.7	N/A	
707089QRP-N008	2	48.5	N/A	
707089PRP-N009	1	26.3	N/A	
707089PRP-N010	1	29.6	N/A	
707089PRP-N011	1	10.9	N/A	
707089PRP-N012	1	26.3	N/A	
707089PRP-N013	1	-7.8	N/A	
707089PRP-N014	1	29.6	N/A	
707089PRP-N015	1	32.9	N/A	
707089PRP-N016	1	32.9	N/A	

Comments: All accessible surfaces scanned and verified to be <300 dpm/100 cm2.

231

ATTACHMENT B65

Survey Unit 707090 Survey Data and Maps

Investigation Documentation

Survey Unit: **707090**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	J-15	397	Yes	N/A	29	Yes	6.5
2	Floor	J-15	1489	Yes	N/A	20	Yes	4.5
3	Floor	J-15	583	Yes	N/A	37	Yes	8.2
4	Floor	J-15	597	Yes	N/A	18	Yes	4.1

Note 1 = total activity per 600 cm^2 probe

Maximum 36.6 | 8.2

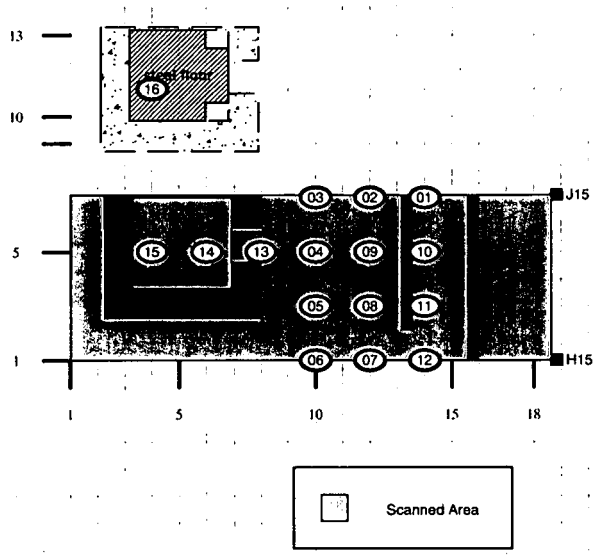
233

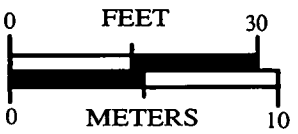
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707090** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 102 sq. m **Total Area: 102 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707090 - MAP 1 OF 1





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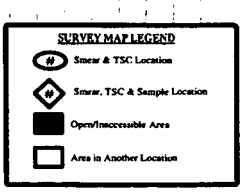


234

Survey Area: C	Survey Unit: 707090	Building: 707

Description: B707 1st floor - H module floor area between columns H-J, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	73.8 dpm/100cm²
Minimum:	5.6 dpm/100cm²
Mean:	34.9 dpm/100cm²
Standard Deviation:	23.1
QC Maximum:	48.4 dpm/100cm²
QC Minimum:	33.0 dpm/100cm²
QC Mean:	40.7 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	-1.5 dpm/100cm²
Mean:	-0.5 dpm/100cm²
Standard Deviation:	1.2
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707090	Building: 707

cription: B707 1st floor - H module floor area between columns H-J, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	05/26/04	Electra	3260	DP-6	10/03/04	0.214	NA	48.0	NA	T
2	514510	05/26/04	Electra	4175	DP-6	10/07/04	0.221	NA	48.0	NA	R
3	511510	05/26/04	SAC-4	1265	NA	09/15/04	0.333	NA	10.0	NA	R
4	513185	06/03/04	Electra	3985	DP-6	09/16/04	0.223	NA	48.0	NA	I
5	513185	06/24/04	Electra	4680	DP-6	08/20/04	0.225	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

236

Survey Area: C	Survey Unit: 707090	Building: 707

Description: B707 1st floor - H module floor area between columns H-J, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707090PRP-N001	3	1.5	N/A	
707090PRP-N002	3	1.5	N/A	
707090PRP-N003	3	-1.5	N/A	
707090PRP-N004	3	-1.5	N/A	
707090PRP-N005	3	-1.5	N/A	
707090PRP-N006	3	0.0	N/A	
707090PRP-N007	3	-1.5	N/A	
707090PRP-N008	3	-1.5	N/A	
707090PRP-N009	3	-1.5	N/A	
707090PRP-N010	3	0.0	N/A	
707090PRP-N011	3	1.5	N/A	
707090PRP-N012	3	0.0	N/A	
707090PRP-N013	3	0.0	N/A	
707090PRP-N014	3	-1.5	N/A	
707090PRP-N015	3	-1.5	N/A	
707090PRP-N016	3	0.0	N/A	

Comments:

Survey Area: C	Survey Unit: 707090	Building: 707

Description: B707 1st floor - H module floor area between columns H-J, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707090PRP-N001	1	52.3	N/A	
707090PRP-N002	1	11.7	N/A	
707090PRP-N003	1	21.0	N/A	
707090PRP-N004	1	27.1	N/A	
707090PRP-N005	1	73.8	N/A	
707090QRP-N005	2	33.0	N/A	
707090PRP-N006	1	39.7	N/A	
707090PRP-N007	1	17.8	N/A	
707090PRP-N008	1	33.6	N/A	
707090PRP-N009	1	21.0	N/A	
707090PRP-N010	1	52.3	N/A	
707090PRP-N011	1	71.0	N/A	
707090QRP-N011	2	48.4	N/A	
707090PRP-N012	1	52.3	N/A	
707090PRP-N013	1	8.4	N/A	
707090PRP-N014	1	61.7	N/A	
707090PRP-N015	1	8.4	N/A	
707090PRP-N016	1	5.6	N/A	

Comments: All accessible surfaces scanned and verified to be <300 dpm/100 cm2.

ATTACHMENT B66

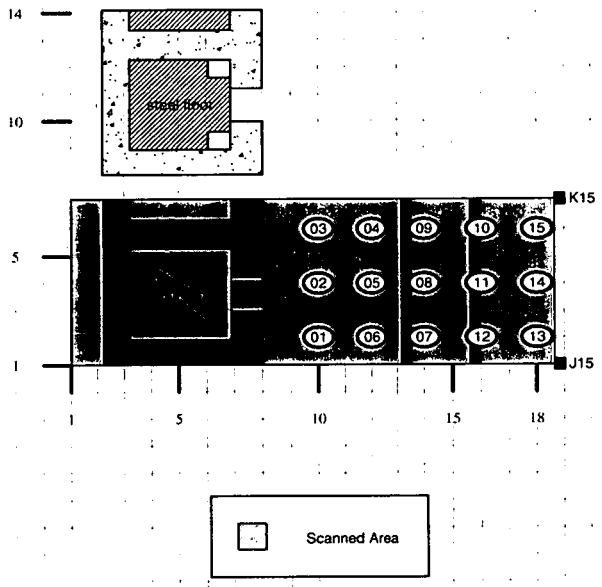
Survey Unit 707091 Survey Data and Maps

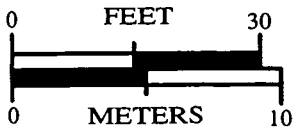
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707091** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 98 sq. m **Total Area: 98 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707091 - MAP 1 OF 1





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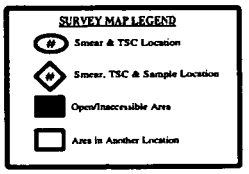

240

Survey Area: C	Survey Unit: 707091	Building: 707

Description: B707 1st floor - H module floor area between columns J-K, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	62.4 dpm/100cm²
Minimum:	17.0 dpm/100cm²
Mean:	38.8 dpm/100cm²
Standard Deviation:	14.9
QC Maximum:	60.9 dpm/100cm²
QC Minimum:	17.0 dpm/100cm²
QC Mean:	39.0 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.3 dpm/100cm²
Standard Deviation:	0.9
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707091	Building: 707

cription: B707 1st floor - H module floor area between columns J-K, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	05/27/04	Electra	4681	DP-6	07/16/04	0.207	NA	48.0	NA	T
2	511510	05/27/04	Electra	3260	DP-6	10/03/04	0.214	NA	48.0	NA	Q
3	514510	05/27/04	SAC-4	1057	NA	09/16/04	0.333	NA	10.0	NA	R
4	509552	06/29/04	Electra	4681	DP-6	07/16/04	0.207	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

Survey Area: C	Survey Unit: 707091	Building: 707

Description: B707 1st floor - H module floor area between columns J-K, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707091PRP-N001	3	-0.3	N/A	
707091PRP-N002	3	2.7	N/A	
707091PRP-N003	3	-0.3	N/A	
707091PRP-N004	3	-0.3	N/A	
707091PRP-N005	3	-0.3	N/A	
707091PRP-N006	3	1.2	N/A	
707091PRP-N007	3	-0.3	N/A	
707091PRP-N008	3	1.2	N/A	
707091PRP-N009	3	1.2	N/A	
707091PRP-N010	3	-0.3	N/A	
707091PRP-N011	3	-0.3	N/A	
707091PRP-N012	3	-0.3	N/A	
707091PRP-N013	3	-0.3	N/A	
707091PRP-N014	3	1.2	N/A	
707091PRP-N015	3	-0.3	N/A	

Comments:

Survey Area: C	Survey Unit: 707091	Building: 707

Description: B707 1st floor - H module floor area between columns J-K, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707091PRP-N001	1	46.0	N/A	
707091PRP-N002	1	36.4	N/A	
707091PRP-N003	1	23.8	N/A	
707091PRP-N004	1	36.4	N/A	
707091PRP-N005	1	43.1	N/A	
707091PRP-N006	1	17.0	N/A	
707091PRP-N007	1	36.4	N/A	
707091PRP-N008	1	46.0	N/A	
707091PRP-N009	1	33.5	N/A	
707091PRP-N010	1	26.7	N/A	
707091PRP-N011	1	62.4	N/A	
707091QRP-N011	2	17.0	N/A	
707091PRP-N012	1	62.4	N/A	
707091QRP-N013	2	60.9	N/A	
707091SRP-N013	4	28.9	N/A	
707091PRP-N014	1	20.4	N/A	
707091PRP-N015	1	62.4	N/A	

Comments: 100% scan of accessible floor surfaces performed. All values <300 dpm/100 cm2.

ATTACHMENT B67

Survey Unit 707092 Survey Data and Maps

Investigation Documentation

Survey Unit: **707092**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	K-15	394	Yes	N/a	27	Yes	6
2	Floor	K-15	613	Yes	N/a	27	Yes	6
					Maximum	27.3		6.0

Note 1 = total activity per 600 cm^2 probe

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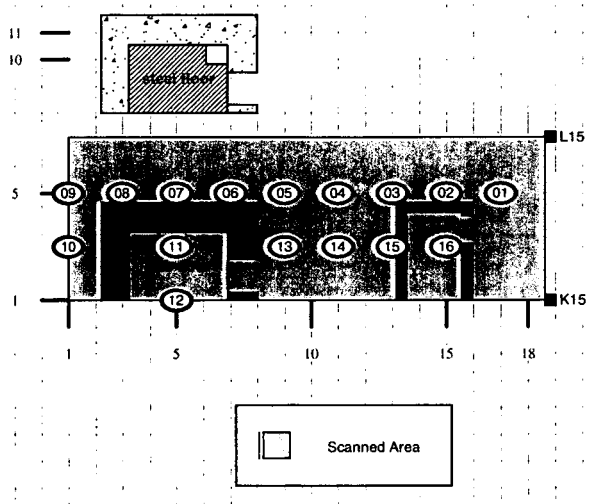
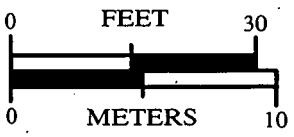
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707092** **Classification: 1**
Building: 707
Survey Unit Description: First floor (H module)

Total Floor Area: 103 sq. m **Total Area: 103 sq. m** **Grid Size: 2 x 2 sq. m**

SURVEY UNIT 707092 - MAP 1 OF 1





N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

247

Survey Area: C	Survey Unit: 707092	Building: 707

Description: B707 1st floor - H module floor area between columns K-L, 15-17

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	71.4 dpm/100cm²
Minimum:	16.3 dpm/100cm²
Mean:	37.0 dpm/100cm²
Standard Deviation:	14.9
QC Maximum:	71.5 dpm/100cm²
QC Minimum:	68.7 dpm/100cm²
QC Mean:	70.1 dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 16 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 16 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.5 dpm/100cm²
Standard Deviation:	1.1
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707092	Building: 707

cription: B707 1st floor - H module floor area between columns K-L, 15-17

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	05/27/04	Electra	4681	DP-6	07/16/04	0.207	NA	48.0	NA	T
2	511510	05/27/04	Electra	3260	DP-6	10/03/04	0.214	NA	48.0	NA	Q
3	514510	05/27/04	SAC-4	1057	NA	09/16/04	0.333	NA	10.0	NA	R
4	514510	06/03/04	Electra	3985	DP-6	09/16/04	0.223	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: C	Survey Unit: 707092	Building: 707

Description: B707 1st floor - H module floor area between columns K-L, 15-17

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707092PRP-N001	3	2.7	N/A	
707092PRP-N002	3	-0.3	N/A	
707092PRP-N003	3	1.2	N/A	
707092PRP-N004	3	1.2	N/A	
707092PRP-N005	3	-0.3	N/A	
707092PRP-N006	3	-0.3	N/A	
707092PRP-N007	3	-0.3	N/A	
707092PRP-N008	3	1.2	N/A	
707092PRP-N009	3	-0.3	N/A	
707092PRP-N010	3	-0.3	N/A	
707092PRP-N011	3	-0.3	N/A	
707092PRP-N012	3	1.2	N/A	
707092PRP-N013	3	-0.3	N/A	
707092PRP-N014	3	-0.3	N/A	
707092PRP-N015	3	2.7	N/A	
707092PRP-N016	3	-0.3	N/A	

Comments:

250

Survey Area: C	Survey Unit: 707092	Building: 707

Description: B707 1st floor - H module floor area between columns K-L, 15-17

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707092PRP-N001	1	29.4	N/A	
707092PRP-N002	1	29.4	N/A	
707092PRP-N003	1	26.0	N/A	
707092PRP-N004	1	29.4	N/A	
707092PRP-N005	1	71.4	N/A	
707092QRP-N005	2	71.5	N/A	
707092PRP-N006	1	23.1	N/A	
707092PRP-N007	1	58.4	N/A	
707092QRP-N007	2	68.7	N/A	
707092PRP-N008	1	16.3	N/A	
707092PRP-N009	1	52.1	N/A	
707092PRP-N010	1	48.7	N/A	
707092PRP-N011	1	32.8	N/A	
707092PRP-N012	1	39.0	N/A	
707092PRP-N013	1	45.3	N/A	
707092PRP-N014	1	35.7	N/A	
707092PRP-N015	1	35.7	N/A	
707092PRP-N016	1	19.7	N/A	

Comments: All scans of accessible surfaces verified to be <300 dpm/100 cm2.

251

ATTACHMENT B68

Survey Unit 707093 Survey Data and Maps

Investigation Documentation

Survey Unit: 707093 ORISE east wall investigation

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Investigation Value (cpm)	"As Left" (dpm) Note 1	"As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Wall	M5	564	106	N/A	45.5	No	<100
2	Wall	M5	435	72	N/A	40.9	No	<100
3	Wall	M5	298	57	N/A	42.3	No	<100
4	Wall	M5	298	57	N/A	39.5	No	<100
5	Wall	M5	3500	710	N/A	50.0	No	<100
6	Wall	M5	600	67	N/A	27.3	No	<100
7	Wall	M5	375	74	N/A	59.1	No	<100
8	Wall	M5	500	92	N/A	71.4	No	<100
9	Wall	M5	200	39	N/A	46.8	No	<100

Note 1 - total activity per 600 cm^2 probe

Maximum 71.4 <100

253

Investigation Documentation

Survey Unit: 707093 northeast wall investigation

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Wall	L3-L4	200-7000	Yes	N/A	44.8	No	<100
2	Wall	L3-L4	200-7000	Yes	N/A	67.3	No	<100
3	Wall	L3-L4	200-7000	Yes	N/A	33.2	No	<100
4	Wall	L3-L4	200-7000	Yes	N/A	55.2	No	<100
5	Wall	L3-L4	200-7000	Yes	N/A	35.9	No	<100
6	Wall	L3-L4	200-7000	Yes	N/A	17.9	No	<100
7	Wall	L3-L4	200-7000	Yes	N/A	34.5	No	<100
8	Wall	L3-L4	200-7000	Yes	N/A	34.5	No	<100
9	Wall	L3-L4	200-7000	Yes	N/A	44.8	No	<100
10	Wall	L3-L4	200-7000	Yes	N/A	44.8	No	<100
11	Wall	L3-L4	200-7000	Yes	N/A	53.8	No	<100
12	Wall	L3-L4	200-7000	Yes	N/A	19.7	No	<100
13	Wall	L3-L4	200-7000	Yes	N/A	87.9	No	<100
14	Wall	L3-L4	200-7000	Yes	N/A	48.0	No	<100
15	Wall	L3-L4	200-7000	Yes	N/A	35.9	No	<100
16	Wall	L3-L4	200-7000	Yes	N/A	47.5	No	<100
17	Wall	L3-L4	200-7000	Yes	N/A	57.0	No	<100
18	Wall	L3-L4	200-7000	Yes	N/A	28.3	No	<100
19	Wall	L3-L4	200-7000	Yes	N/A	55.6	No	<100
20	Wall	L3-L4	200-7000	Yes	N/A	56.5	No	<100
21	Wall	L3-L4	200-7000	Yes	N/A	44.8	No	<100
22	Wall	L3-L4	200-7000	Yes	N/A	37.7	No	<100
23	Wall	L3-L4	200-7000	Yes	N/A	55.2	No	<100
24	Wall	L3-L4	200-7000	Yes	N/A	35.9	No	<100
25	Wall	L3-L4	200-7000	Yes	N/A	40.4	No	<100

Note 1 - total activity per 600 cm^2 probe

Note 2 - Electra scan data after extensive wall remediation.

Maximum 87.9 <100

254

Investigation Documentation

Survey Unit: 707093 wall investigation

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Wall	Q3	1075	Yes	N/A	<300	No	<100
2	Wall	Q3	675	Yes	N/A	<300	No	<100
3	Wall	P4	364	Yes	N/A	<300	No	<100
4	Wall	Q3	297	Yes	N/A	<300	No	<100
5	Wall	Q3	735	Yes	N/A	<300	No	<100
7	Wall	M5.4	610	Yes	N/A	<300	No	<100
8	Wall	M5.4	780	Yes	N/A	<300	No	<100
9	Wall	M5.4	418	Yes	N/A	<300	No	<100
10	Wall	L5.4	383	Yes	N/A	<300	No	<100
11	Wall	L5.4	430	Yes	N/A	<300	No	<100
12	Wall	L5.4	474	Yes	N/A	<300	No	<100
13	Wall	L5.4	464	Yes	N/A	<300	No	<100
14	Wall	L5.4	513	Yes	N/A	<300	No	<100
15	Wall	L5.4	563	Yes	N/A	<300	No	<100
16	Wall	L5.4	434	Yes	N/A	<300	No	<100
17	Wall	L5.4	385	Yes	N/A	<300	No	<100
18	Wall	L5.4	630	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe

Maximum <300 <100

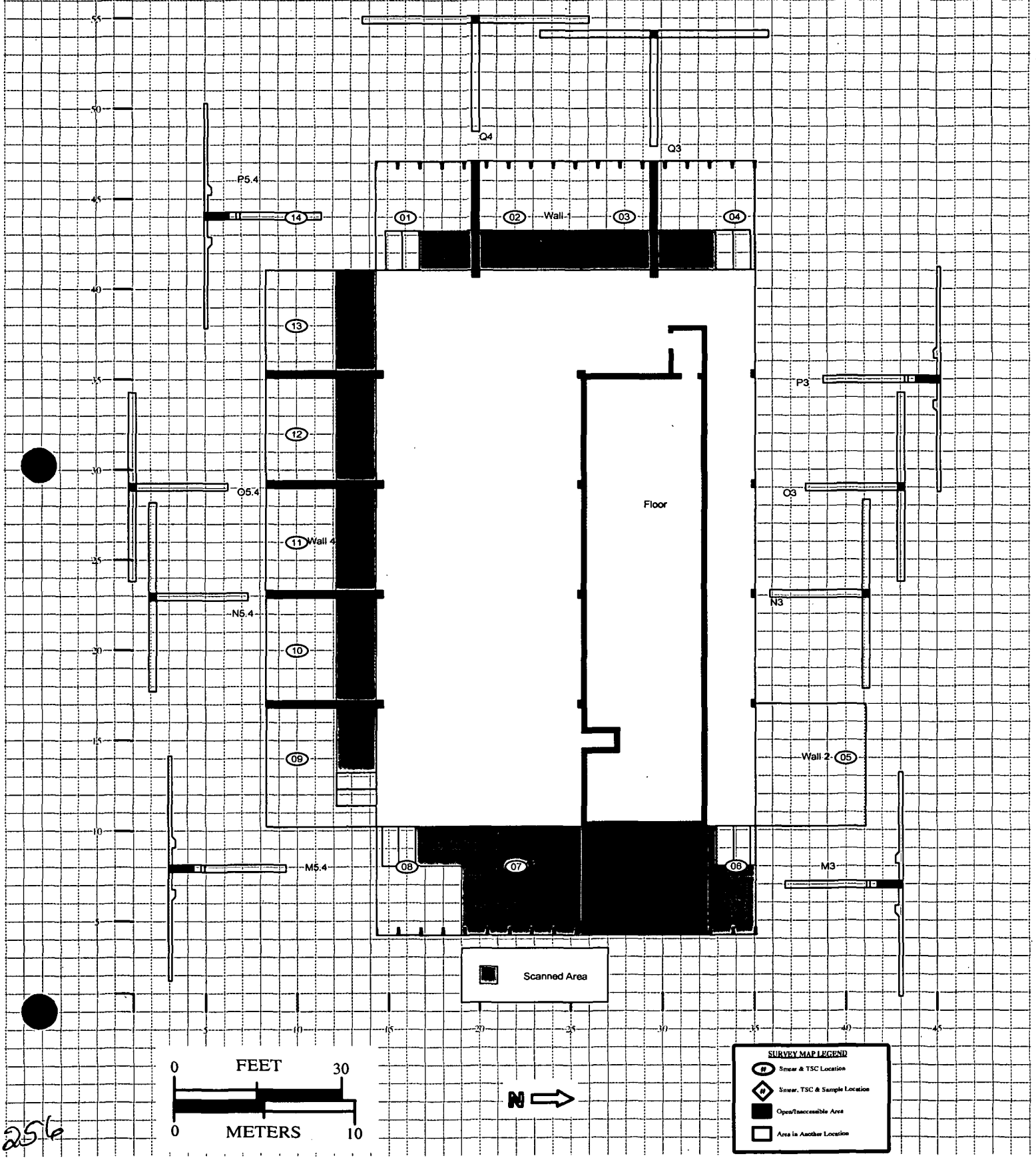
255

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707093** **Classification: 2**
Building: 707
Survey Unit Description: First floor (K Module walls)

Total Floor Area: 0 sq. m **Total Area: 1476 sq. m** **Grid Size: 6 x 6 sq.m**

SURVEY UNIT 707093 - MAP 1 OF 2



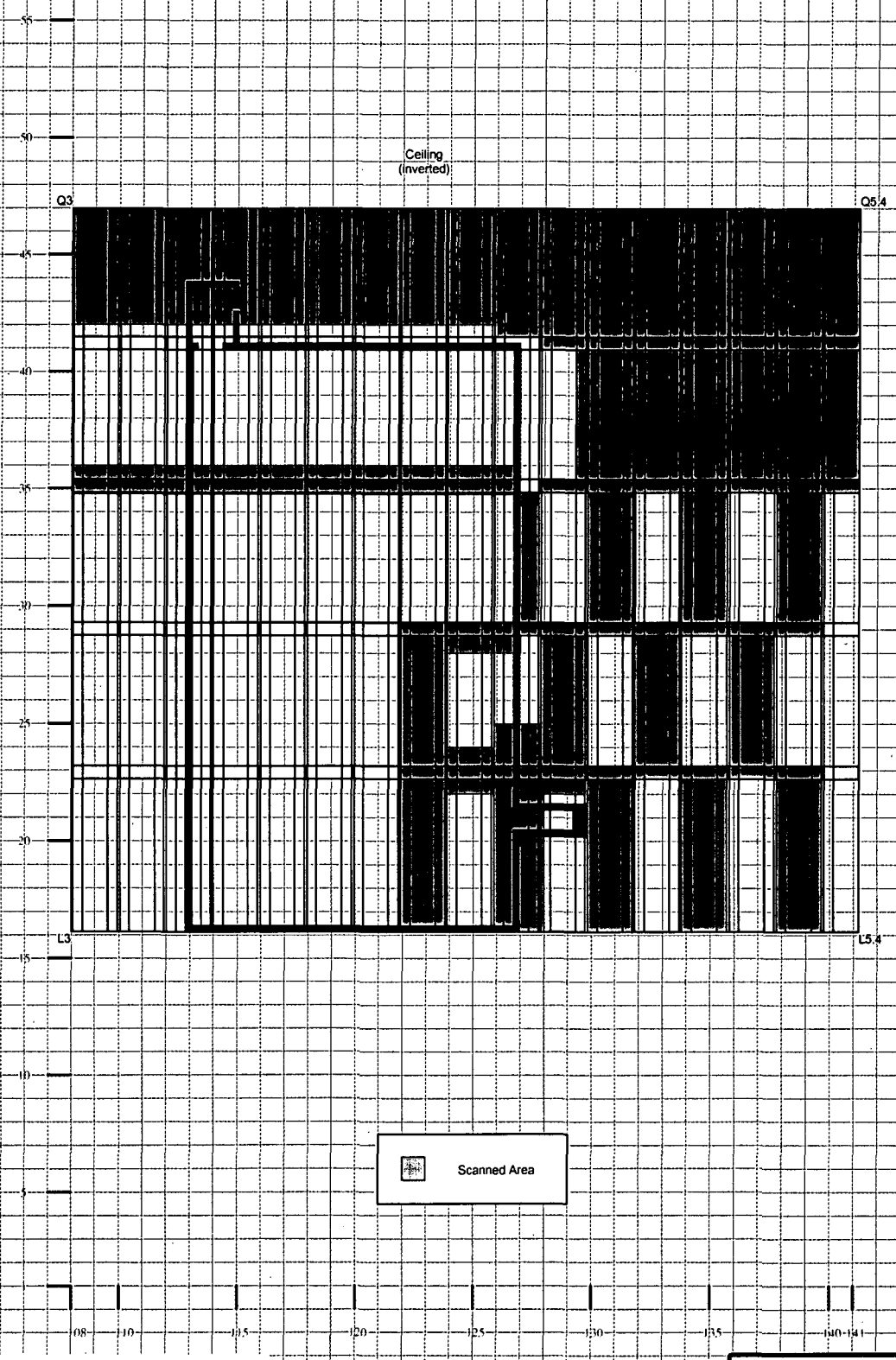
256

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707093** **Classification: 2**
Building: 707
Survey Unit Description: First floor (K Module ceiling)

Total Floor Area: 0 sq. m **Total Area: 1476 sq. m** **Grid Size: 6 x 6 sq. m**

SURVEY UNIT 707093 - MAP 2 OF 2



0 FEET 30
0 METERS 10

N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

257

Survey Area: C	Survey Unit: 707093	Building: 707

Description: B707 1st floor "K" module walls, and ceiling

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 25 | Nbr QC Required: 4

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 25 | Nbr QC Performed: 4

Alpha

Maximum:	50.8 dpm/100cm²
Minimum:	-8.0 dpm/100cm²
Mean:	26.8 dpm/100cm²
Standard Deviation:	14.3
QC Maximum:	35.4 dpm/100cm²
QC Minimum:	10.3 dpm/100cm²
QC Mean:	23.7 dpm/100cm²
Transuranic DCGLw:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 25

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 25

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.9 dpm/100cm²
Mean:	0.8 dpm/100cm²
Standard Deviation:	1.6
Transuranic DCGLw:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

258

Survey Area: C	Survey Unit: 707093	Building: 707

Description: B707 1st floor "K" module walls, and ceiling

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	11/02/04	Electra	1245	DP-6	02/23/05	0.223	NA	48.0	NA	T
2	513185	11/02/04	SAC-4	799	NA	12/03/04	0.333	NA	10.0	NA	R
3	511510	11/03/04	Electra	1543	DP-6	03/09/05	0.230	NA	48.0	NA	T
4	511510	11/03/04	SAC-4	817	NA	12/28/04	0.333	NA	10.0	NA	R
5	509284	11/03/04	Electra	1427	DP-6	02/28/05	0.211	NA	48.0	NA	T

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

259

Survey Area: C	Survey Unit: 707093	Building: 707

Description: B707 1st floor "K" module walls, and ceiling

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707093PRP-N001	2	1.2	N/A	
707093PRP-N002	2	-0.3	N/A	
707093PRP-N003	2	1.2	N/A	
707093PRP-N004	2	4.2	N/A	
707093PRP-N005	2	-0.3	N/A	
707093PRP-N006	2	-0.3	N/A	
707093PRP-N007	2	1.2	N/A	
707093PRP-N008	2	4.2	N/A	
707093PRP-N009	4	-0.9	N/A	
707093PRP-N010	2	-0.3	N/A	
707093PRP-N011	2	-0.3	N/A	
707093PRP-N012	2	-0.3	N/A	
707093PRP-N013	2	-0.3	N/A	
707093PRP-N014	2	1.2	N/A	
707093PRP-N015	2	1.2	N/A	

Survey Area: C	Survey Unit: 707093	Building: 707

Description: B707 1st floor "K" module walls, and ceiling

Biased Removable Surface Activity Data Sheet

Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707093PBP-N016	2	1.2	N/A	
707093PBP-N017	2	1.2	N/A	
707093PBP-N018	2	-0.3	N/A	
707093PBP-N019	2	-0.3	N/A	
707093PBP-N020	2	-0.3	N/A	
707093PBP-N021	2	-0.3	N/A	
707093PBP-N022	2	-0.3	N/A	
707093PBP-N023	2	1.2	N/A	
707093PBP-N024	4	0.6	N/A	
707093PBP-N025	4	-0.9	N/A	
707093PBP-N026	2	-0.3	N/A	
707093PBP-N027	2	-0.3	N/A	
707093PBP-N028	4	-0.9	N/A	
707093PBP-N029	4	2.1	N/A	
707093PBP-N030	2	2.7	N/A	
707093PBP-N031	2	-0.3	N/A	
707093PBP-N032	2	4.2	N/A	
707093PBP-N033	2	1.2	N/A	
707093PBP-N034	2	-0.3	N/A	
707093PBP-N035	2	2.7	N/A	
707093PBP-N036	4	-0.9	N/A	
707093PBP-N037	4	-0.9	N/A	
707093PBP-N038	4	2.1	N/A	
707093PBP-N039	4	3.6	N/A	
707093PBP-N040	4	3.6	N/A	

Comments:

Survey Area: C	Survey Unit: 707093	Building: 707

Description: B707 1st floor "K" module walls, and ceiling

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707093PRP-N001	1	27.9	N/A	
707093PRP-N002	1	10.0	N/A	
707093PRP-N003	1	33.7	N/A	
707093PRP-N004	1	10.0	N/A	
707093PRP-N005	1	6.8	N/A	
707093PRP-N006	1	36.9	N/A	
707093PRP-N007	1	13.1	N/A	
707093PRP-N008	1	40.0	N/A	
707093PRP-N009	3	31.9	N/A	
707093PRP-N010	1	15.8	N/A	
707093PRP-N011	1	45.8	N/A	
707093PRP-N012	1	6.8	N/A	
707093PRP-N013	1	-8.0	N/A	
707093PRP-N014	1	33.7	N/A	
707093PRP-N015	1	18.9	N/A	
707093QRP-N017	5	35.4	N/A	
707093QRP-N020	5	10.3	N/A	
707093QRP-N025	5	23.1	N/A	
707093QRP-N032	5	26.0	N/A	

Survey Area: C	Survey Unit: 707093	Building: 707

Description: B707 1st floor "K" module walls, and ceiling

Biased Total Surface Activity Data Sheet

Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707093PBP-N016	1	41.8	N/A	
707093PBP-N017	1	35.5	N/A	
707093PBP-N018	1	26.6	N/A	
707093PBP-N019	1	20.7	N/A	
707093PBP-N020	1	23.9	N/A	
707093PBP-N021	1	20.7	N/A	
707093PBP-N022	1	17.6	N/A	
707093PBP-N023	1	35.5	N/A	
707093PBP-N024	3	45.5	N/A	
707093PBP-N025	3	42.4	N/A	
707093PBP-N026	1	50.8	N/A	
707093PBP-N027	1	29.7	N/A	
707093PBP-N028	3	45.5	N/A	
707093PBP-N029	3	22.4	N/A	
707093PBP-N030	1	2.8	N/A	
707093PBP-N031	1	44.5	N/A	
707093PBP-N032	1	35.5	N/A	
707093PBP-N033	1	38.7	N/A	
707093PBP-N034	1	2.8	N/A	
707093PBP-N035	1	11.8	N/A	
707093PBP-N036	3	33.7	N/A	
707093PBP-N037	3	31.1	N/A	
707093PBP-N038	3	33.7	N/A	
707093PBP-N039	3	19.4	N/A	
707093PBP-N040	3	36.8	N/A	

Comments: >100 % of the lower wall, and >50% of the upper wall and ceiling has been scanned. All values after remediation are <300 dpm/100 cm2.

ATTACHMENT B69

Survey Unit 707094 Survey Data and Maps

Investigation Documentation

Survey Unit: **707094**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Floor	M-3	660	Yes	N/A	<300	No	<100
2	Floor	M-3	440	Yes	N/A	<300	No	<100
3	Floor	M-3	475	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe

Maximum <300 <100

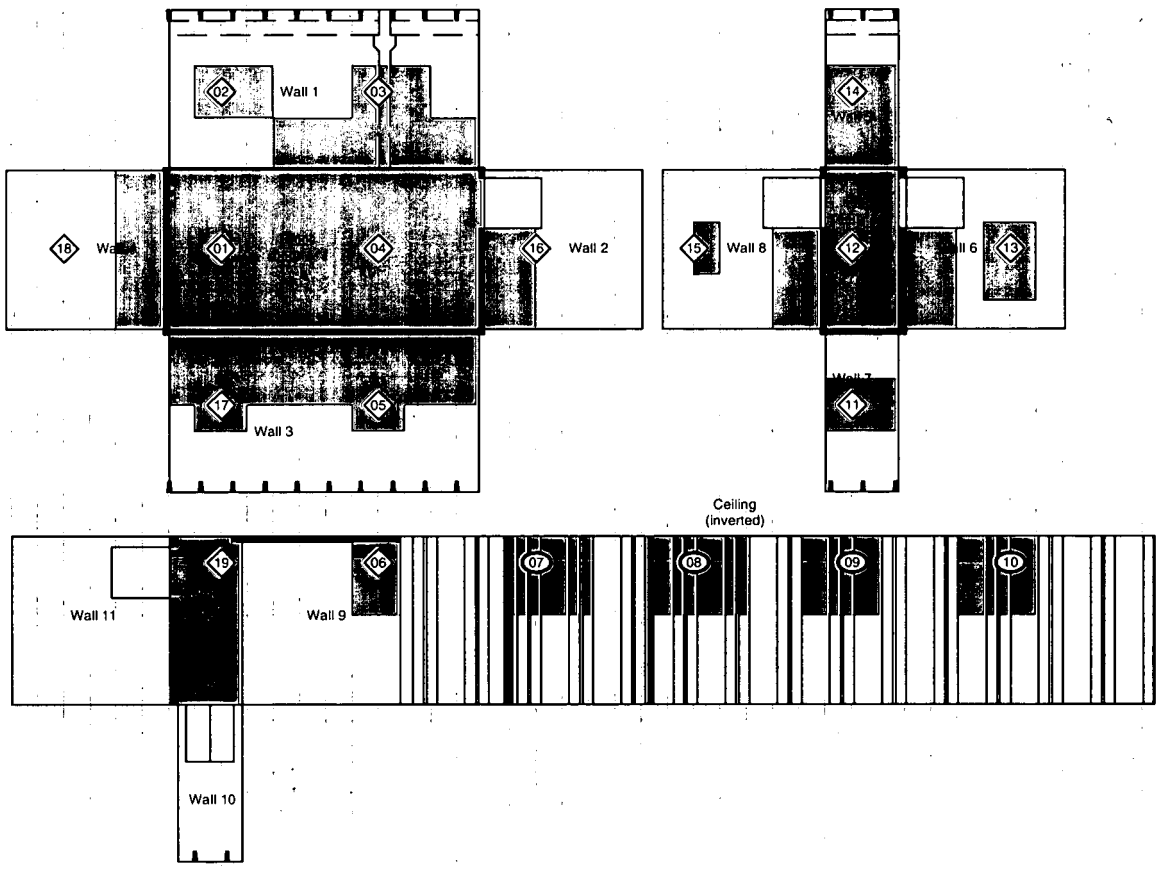
265

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707094** **Classification: 2**
Building: 707
Survey Unit Description: First floor (J Module - Rooms 141 & 142)

Total Floor Area: 107 sq. m **Total Area: 680 sq. m** **Grid Size: 6 x 6 sq.m**

SURVEY UNIT 707094 - MAP 1 OF 1



Scanned Area

0 FEET 30
0 METERS 10

N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

266

Survey Area: C	Survey Unit: 707094	Building: 707

Description: Rooms 141 and 142 floors walls and ceiling

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 19 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2
Nbr Random Measurements Performed: 19 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	66.7 dpm/100cm²
Minimum:	-15.5 dpm/100cm²
Mean:	20.0 dpm/100cm²
Standard Deviation:	27.2
QC Maximum:	16.8 dpm/100cm²
QC Minimum:	10.3 dpm/100cm²
QC Mean:	13.5 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 19 | Nbr Biased Measurements Required: 0
Nbr Random Measurements Performed: 19 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	3.0 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.8 dpm/100cm²
Standard Deviation:	1.3
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 10 | Nbr Biased Required: 0
Nbr Random Collected: 10 | Nbr Biased Collected: 0

Uranium

Maximum:	NA dpm/100cm²
Minimum:	NA dpm/100cm²
Mean:	NA dpm/100cm²
Standard Deviation:	NA
Uranium DCGLW:	5,000 dpm/100cm²
Uranium DCGLEMC:	15,000 dpm/100cm²

Transuranic

Maximum:	39 dpm/100cm²
Minimum:	6 dpm/100cm²
Mean:	17 dpm/100cm²
Standard Deviation:	10
Transuranic DCGLW:	100 dpm/100cm²
Transuranic DCGLEMC:	300 dpm/100cm²

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

267

Survey Area: C	Survey Unit: 707094	Building: 707

Description: Rooms 141 and 142 floors walls and ceiling

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	702058	10/24/04	Electra	2405	DP-6	03/20/05	0.232	NA	48.0	NA	T/S
2	701418	10/24/04	Electra	1246	DP-6	01/26/05	0.222	NA	48.0	NA	T/S
3	702058	10/24/04	SAC-4	847	NA	01/09/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

268

Survey Area: C	Survey Unit: 707094	Building: 707

Description: Rooms 141 and 142 floors walls and ceiling

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707094PRP-N001	3	0.0	N/A	
707094PRP-N002	3	0.0	N/A	
707094PRP-N003	3	3.0	N/A	
707094PRP-N004	3	3.0	N/A	
707094PRP-N005	3	0.0	N/A	
707094PRP-N006	3	0.0	N/A	
707094PRP-N007	3	0.0	N/A	
707094PRP-N008	3	0.0	N/A	
707094PRP-N009	3	3.0	N/A	
707094PRP-N010	3	0.0	N/A	
707094PRP-N011	3	3.0	N/A	
707094PRP-N012	3	0.0	N/A	
707094PRP-N013	3	1.5	N/A	
707094PRP-N014	3	0.0	N/A	
707094PRP-N015	3	0.0	N/A	
707094PRP-N016	3	0.0	N/A	
707094PRP-N017	3	0.0	N/A	
707094PRP-N018	3	0.0	N/A	
707094PRP-N019	3	1.5	N/A	

Comments:

Survey Area: C	Survey Unit: 707094	Building: 707

Description: Rooms 141 and 142 floors walls and ceiling

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707094PRP-N001	1	52.0	N/A	
707094QRP-N001	2	16.8	N/A	
707094PRP-N002	1	26.2	N/A	
707094PRP-N003	1	32.2	N/A	
707094QRP-N004	1	10.3	N/A	
707094PRP-N004	2	-6.5	N/A	
707094PRP-N005	1	34.8	N/A	
707094PRP-N006	2	2.5	N/A	
707094PRP-N007	1	11.9	N/A	
707094PRP-N008	1	49.4	N/A	
707094PRP-N009	1	8.9	N/A	
707094PRP-N010	1	-8.3	N/A	
707094PRP-N011	2	-12.4	N/A	
707094PRP-N012	1	46.4	N/A	
707094PRP-N013	2	2.5	N/A	
707094PRP-N014	2	-15.5	N/A	
707094PRP-N015	2	-9.2	N/A	
707094PRP-N016	1	66.7	N/A	
707094PRP-N017	1	0.3	N/A	
707094PRP-N018	1	32.2	N/A	
707094PRP-N019	1	66.7	N/A	

Comments: 100% floor, >25% lower wall and >10% upper wall and ceiling surfaces scanned. All values after remediation <300 dpm/100 cm2.

270

Survey Area: C	Survey Unit: 707094	Building: 707

Description: Rooms 141 and 142 floors walls and ceiling

Media Samples Data Sheet

Site Sample ID / Nbr ---------- Description	Nuclide	Sample (dpm)	Sample MDA (dpm)		Surface Area (in²)	Sample Nuclide (dpm/100cm²)	Sample Nuclide MDA (dpm/100cm²)	Sample Total (dpm/100cm²)
MED00261 2	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	39.9	94.5			24	56	Transuranic
	Am241	5.7000	13.5			3	8	27
MED00262 3	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	29.4	102.9			17	61	Transuranic
	Am241	4.2	14.7			3	9	20
MED00263 5	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	9.1	118.3			5	70	Transuranic
	Am241	1.3	16.9			1	10	6
MED00264 6	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	18.9	27.3			11	16	Transuranic
	Am241	2.7	3.9			2	2	13
MED00265 13	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	33.6	78.4			20	46	Transuranic
	Am241	4.8	11.2			3	7	23
MED00266 14	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	19.6	74.2			12	44	Transuranic
	Am241	2.8	10.6			2	6	13
MED00267 15	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	Uranium
	U238	NA	NA			NA	NA	NA
	Pu239/240	16.1	87.5			10	52	Transuranic
	Am241	2.3	12.5			1	7	11

Comments:

271

Survey Area: C	Survey Unit: 707094	Building: 707

Description: Rooms 141 and 142 floors walls and ceiling

Media Samples Data Sheet

Site Sample ID / Nbr ---------- Description	Nuclide	Sample (dpm)	Sample MDA (dpm)		Surface Area (in²)	Sample Nuclide (dpm/100cm²)	Sample Nuclide MDA (dpm/100cm²)	Sample Total (dpm/100cm²)
MED00268 16	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	**Uranium**
	U238	NA	NA			NA	NA	NA
	Pu239/240	58.1	56.0			34	33	**Transuranic**
	Am241	8.3	8.0			5	5	39
MED00269 17	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	**Uranium**
	U238	NA	NA			NA	NA	NA
	Pu239/240	9.8	119.0			6	70	**Transuranic**
	Am241	1.4	17.0			1	10	7
MED00270 18	U234	NA	NA		26.3	NA	NA	
Wall	U235	NA	NA			NA	NA	**Uranium**
	U238	NA	NA			NA	NA	NA
	Pu239/240	21.7	89.6			13	53	**Transuranic**
	Am241	3.1	12.8			2	8	15

272

ATTACHMENT B70

Survey Unit 707095 Survey Data and Maps

Investigation Documentation

Survey Unit: **707095**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	N1	655	Yes	N/A	<300	No	<100
2	Floor	N1	265	Yes	N/A	<300	No	<100
3	Floor	N1	250	Yes	N/A	<300	No	<100
4	Floor	N1	440	Yes	N/A	<300	No	<100
5	Floor	N1	570	Yes	N/A	<300	No	<100
6	Floor	N1	225	Yes	N/A	<300	No	<100
7	Floor	N1	580	Yes	N/A	<300	No	<100
8	Floor	M3	781	Yes	N/A	<300	No	<100
9	Floor	M3	448	Yes	N/A	<300	No	<100
10	Floor	M3	495	Yes	N/A	<300	No	<100
11	Floor	M3	353	Yes	N/A	<300	No	<100
12	Floor	M3	353	Yes	N/A	<300	No	<100
13	Floor	M1	381	Yes	N/A	<300	No	<100
14	Floor	M2	258	Yes	N/A	<300	No	<100
15	Floor	M2	447	Yes	N/A	<300	No	<100
16	Floor	N1	275	Yes	N/A	<300	No	<100
17	Floor	N2	775	Yes	N/A	<300	No	<100
18	Floor	N2	334	Yes	N/A	<300	No	<100
19	Floor	N2	279	Yes	N/A	<300	No	<100
20	Floor	N2	1477	Yes	N/A	<300	No	<100
21	Floor	N2	481	Yes	N/A	<300	No	<100
22	Floor	N2	440	Yes	N/A	<300	No	<100
23	Floor	N2	361	Yes	N/A	<300	No	<100
24	Floor	N2	376	Yes	N/A	<300	No	<100
25	Floor	O2	523	Yes	N/A	<300	No	<100
26	Floor	O2	405	Yes	N/A	<300	No	<100
27	Floor	O2	489	Yes	N/A	<300	No	<100
28	Floor	O2	481	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe

Maximum <300 <100

Note 2 - <300 is the Final Survey Monitor value after remediation and re-survey.

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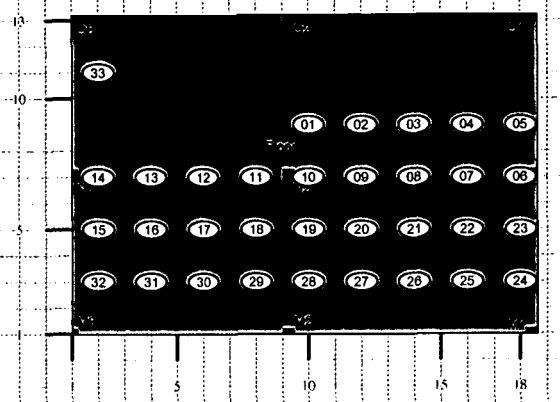
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707095** **Classification: 1**
Building: 707
Survey Unit Description: First floor - J Module floor

Total Floor Area: 215 sq. m **Total Area: 215 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707095 - MAP 1 OF 1



Scanned Area

0 FEET 30
0 METERS 10

N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

275

Survey Area: C	Survey Unit: 707095	Building: 707

Description: B707 1st floor "J" module floor between columns M-O, 1-3

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 33 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 4

Nbr Random Measurements Performed: 33 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 4

Alpha

Maximum:	62.1 dpm/100cm²
Minimum:	1.7 dpm/100cm²
Mean:	26.0 dpm/100cm²
Standard Deviation:	15.1
QC Maximum:	66.0 dpm/100cm²
QC Minimum:	25.1 dpm/100cm²
QC Mean:	44.7 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 33 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 33 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	1.1
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: C	Survey Unit: 707095	Building: 707

Description: B707 1st floor "J" module floor between columns M-O, 1-3

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	11/09/04	Electra	2383	DP-6	12/30/04	0.220	NA	48.0	NA	T/I
2	516375	11/09/04	Electra	1240	DP-6	03/21/05	0.213	NA	48.0	NA	Q
3	516375	11/09/04	SAC-4	849	NA	02/04/05	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

277

Survey Area: C	Survey Unit: 707095	Building: 707

Description: B707 1st floor "J" module floor between columns M-O, 1-3

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707095PRP-N001	3	1.2	N/A	
707095PRP-N002	3	4.2	N/A	
707095PRP-N003	3	-0.3	N/A	
707095PRP-N004	3	-0.3	N/A	
707095PRP-N005	3	1.2	N/A	
707095PRP-N006	3	-0.3	N/A	
707095PRP-N007	3	-0.3	N/A	
707095PRP-N008	3	-0.3	N/A	
707095PRP-N009	3	1.2	N/A	
707095PRP-N010	3	1.2	N/A	
707095PRP-N011	3	-0.3	N/A	
707095PRP-N012	3	-0.3	N/A	
707095PRP-N013	3	1.2	N/A	
707095PRP-N014	3	-0.3	N/A	
707095PRP-N015	3	-0.3	N/A	
707095PRP-N016	3	-0.3	N/A	
707095PRP-N017	3	-0.3	N/A	
707095PRP-N018	3	-0.3	N/A	
707095PRP-N019	3	-0.3	N/A	
707095PRP-N020	3	1.2	N/A	
707095PRP-N021	3	-0.3	N/A	
707095PRP-N022	3	1.2	N/A	
707095PRP-N023	3	-0.3	N/A	
707095PRP-N024	3	2.7	N/A	
707095PRP-N025	3	-0.3	N/A	
707095PRP-N026	3	-0.3	N/A	
707095PRP-N027	3	1.2	N/A	
707095PRP-N028	3	-0.3	N/A	
707095PRP-N029	3	1.2	N/A	

Survey Area: C	Survey Unit: 707095	Building: 707

Description: B707 1st floor "J" module floor between columns M-O, 1-3

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707095PRP-N030	3	-0.3	N/A	
707095PRP-N031	3	1.2	N/A	
707095PRP-N032	3	-0.3	N/A	
707095PRP-N033	3	-0.3	N/A	

Comments:

279

Survey Area: C	Survey Unit: 707095	Building: 707

Description: B707 1st floor "J" module floor between columns M-O, 1-3

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707095PRP-N001	1	50.3	N/A	
707095QRP-N001	2	50.0	N/A	
707095PRP-N002	1	32.1	N/A	
707095PRP-N003	1	23.0	N/A	
707095PRP-N004	1	14.0	N/A	
707095PRP-N005	1	16.7	N/A	
707095PRP-N006	1	14.0	N/A	
707095PRP-N007	1	7.6	N/A	
707095PRP-N008	1	14.0	N/A	
707095PRP-N009	1	62.1	N/A	
707095QRP-N009	2	66.0	N/A	
707095PRP-N010	1	10.8	N/A	
707095PRP-N011	1	23.0	N/A	
707095PRP-N012	1	4.9	N/A	
707095PRP-N013	1	16.7	N/A	
707095PRP-N014	1	34.9	N/A	
707095PRP-N015	1	25.8	N/A	
707095PRP-N016	1	29.0	N/A	
707095PRP-N017	1	19.9	N/A	
707095PRP-N018	1	34.9	N/A	
707095PRP-N019	1	47.1	N/A	
707095PRP-N020	1	32.1	N/A	
707095PRP-N021	1	34.9	N/A	
707095PRP-N022	1	1.7	N/A	
707095PRP-N023	1	29.0	N/A	
707095PRP-N024	1	47.1	N/A	
707095PRP-N025	1	41.2	N/A	

Survey Area: C	Survey Unit: 707095	Building: 707

Description: B707 1st floor "J" module floor between columns M-O, 1-3

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707095QRP-N025	2	25.1	N/A	
707095PRP-N026	1	19.9	N/A	
707095PRP-N027	1	16.7	N/A	
707095PRP-N028	1	38.0	N/A	
707095PRP-N029	1	19.9	N/A	
707095PRP-N030	1	23.0	N/A	
707095PRP-N031	1	1.7	N/A	
707095PRP-N032	1	53.0	N/A	
707095QRP-N032	2	37.8	N/A	
707095PRP-N033	1	19.9	N/A	

Comments: 100% of accessible floor surfaces were scanned. All values <300 dpm/100 cm2 after remediation.

ATTACHMENT B71

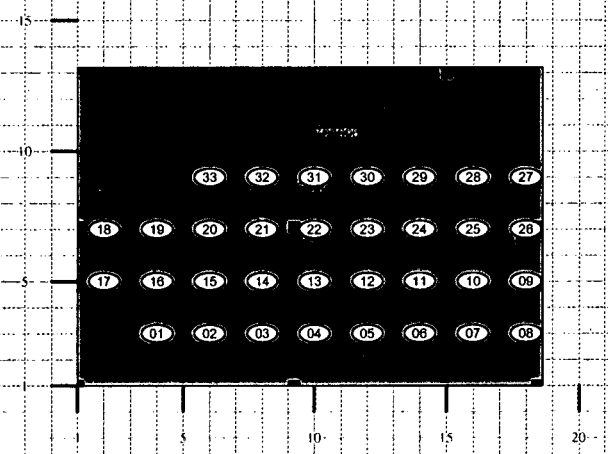
Survey Unit 707096 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: C **Survey Unit: 707096** **Classification: 1**
Building: 707
Survey Unit Description: First floor - J Module floor

Total Floor Area: 214 sq. m **Total Area: 214 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707096 - MAP 1 OF 1



Scanned Area

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

0 FEET 30
0 METERS 10

N

282

Survey Area: C	Survey Unit: 707096	Building: 707

Description: B707 1st floor "J" module floor between columns O-Q, 1-3

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 33 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 4

Nbr Random Measurements Performed: 33 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 4

Alpha

Maximum:	69.6 dpm/100cm²
Minimum:	7.0 dpm/100cm²
Mean:	22.2 dpm/100cm²
Standard Deviation:	11.6
QC Maximum:	37.5 dpm/100cm²
QC Minimum:	10.1 dpm/100cm²
QC Mean:	20.7 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 33 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 33 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	2.7 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.5 dpm/100cm²
Standard Deviation:	0.9
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707096	Building: 707

Description: B707 1st floor "J" module floor between columns O-Q, 1-3

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	514510	11/09/04	Electra	3128	DP-6	04/25/05	0.219	NA	48.0	NA	T/I
2	516375	11/09/04	Electra	4175	DP-6	04/06/05	0.219	NA	48.0	NA	T
3	516375	11/09/04	SAC-4	849	NA	02/04/05	0.333	NA	10.0	NA	R
4	516375	10/25/04	Electra	3120	DP-6	02/17/05	0.207	NA	48.0	NA	I
5	514510	10/25/04	Electra	4430	DP-6	04/01/05	0.221	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

285

Survey Area: C	Survey Unit: 707096	Building: 707

Description: B707 1st floor "J" module floor between columns O-Q, 1-3

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707096PRP-N001	3	-0.3	N/A	
707096PRP-N002	3	1.2	N/A	
707096PRP-N003	3	1.2	N/A	
707096PRP-N004	3	1.2	N/A	
707096PRP-N005	3	1.2	N/A	
707096PRP-N006	3	1.2	N/A	
707096PRP-N007	3	1.2	N/A	
707096PRP-N008	3	1.2	N/A	
707096PRP-N009	3	-0.3	N/A	
707096PRP-N010	3	-0.3	N/A	
707096PRP-N011	3	-0.3	N/A	
707096PRP-N012	3	1.2	N/A	
707096PRP-N013	3	-0.3	N/A	
707096PRP-N014	3	-0.3	N/A	
707096PRP-N015	3	1.2	N/A	
707096PRP-N016	3	-0.3	N/A	
707096PRP-N017	3	1.2	N/A	
707096PRP-N018	3	-0.3	N/A	
707096PRP-N019	3	-0.3	N/A	
707096PRP-N020	3	2.7	N/A	
707096PRP-N021	3	-0.3	N/A	
707096PRP-N022	3	-0.3	N/A	
707096PRP-N023	3	-0.3	N/A	
707096PRP-N024	3	1.2	N/A	
707096PRP-N025	3	-0.3	N/A	
707096PRP-N026	3	1.2	N/A	
707096PRP-N027	3	-0.3	N/A	
707096PRP-N028	3	-0.3	N/A	
707096PRP-N029	3	1.2	N/A	

Survey Area: C	Survey Unit: 707096	Building: 707

Description: B707 1st floor "J" module floor between columns O-Q, 1-3

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707096PRP-N030	3	2.7	N/A	
707096PRP-N031	3	-0.3	N/A	
707096PRP-N032	3	-0.3	N/A	
707096PRP-N033	3	1.2	N/A	

Comments:

287

Survey Area: C	Survey Unit: 707096	Building: 707

Description: B707 1st floor "J" module floor between columns O-Q, 1-3

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707096PRP-N001	1	10.2	N/A	
707096PRP-N002	1	13.4	N/A	
707096PRP-N003	1	10.2	N/A	
707096PRP-N004	1	13.4	N/A	
707096PRP-N005	1	19.3	N/A	
707096PRP-N006	1	16.1	N/A	
707096PRP-N007	1	25.3	N/A	
707096QRP-N007	2	10.1	N/A	
707096PRP-N008	1	22.5	N/A	
707096PRP-N009	1	16.1	N/A	
707096PRP-N010	1	31.7	N/A	
707096PRP-N011	1	13.4	N/A	
707096PRP-N012	1	16.1	N/A	
707096PRP-N013	1	19.3	N/A	
707096PRP-N014	1	25.3	N/A	
707096PRP-N015	1	31.7	N/A	
707096QRP-N015	2	25.1	N/A	
707096PRP-N016	1	22.5	N/A	
707096PRP-N017	1	69.6	N/A	
707096PRP-N018	1	7.0	N/A	
707096QRP-N018	2	37.5	N/A	
707096PRP-N019	1	31.7	N/A	
707096PRP-N020	1	28.5	N/A	
707096PRP-N021	1	13.4	N/A	
707096PRP-N022	1	40.8	N/A	
707096PRP-N023	1	28.5	N/A	
707096PRP-N024	1	16.1	N/A	

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Survey Area: C	Survey Unit: 707096	Building: 707

Description: B707 1st floor "J" module floor between columns O-Q; 1-3

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707096PRP-N025	1	25.3	N/A	
707096PRP-N026	1	25.3	N/A	
707096PRP-N027	1	31.7	N/A	
707096PRP-N028	1	25.3	N/A	
707096PRP-N029	1	13.4	N/A	
707096PRP-N030	1	16.1	N/A	
707096PRP-N031	1	10.2	N/A	
707096PRP-N032	1	19.3	N/A	
707096QRP-N032	2	10.1	N/A	
707096PRP-N033	1	25.3	N/A	

Comments: 100% of the accessible floor surfaces were scanned. All values after remediation are <300 dpm/100 cm2.

ATTACHMENT B72

Survey Unit 707097 Survey Data and Maps

Investigation Documentation

Survey Unit: **707097**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	P3	350	Yes	N/A	<300	No	<100
2	Floor	P3	334	Yes	N/A	<300	No	<100
3	Floor	P3	643	Yes	N/A	<300	No	<100
4	Floor	P3	370	Yes	N/A	<300	No	<100
5	Floor	O3	438	Yes	N/A	<300	No	<100
6	Floor	O3	4115	Yes	N/A	<300	No	<100
7	Floor	N3	470	Yes	N/A	<300	No	<100
8	Floor	N3	497	Yes	N/A	<300	No	<100
9	Floor	M3	527	Yes	N/A	<300	No	<100
10	Floor	M3	326	Yes	N/A	<300	No	<100
11	Floor	M3	373	Yes	N/A	<300	No	<100
12	Floor	M3	348	Yes	N/A	<300	No	<100
13	Floor	N3	527	Yes	N/A	<300	No	<100
14	Floor	N3	465	Yes	N/A	<300	No	<100
15	Floor	N3	600	Yes	N/A	<300	No	<100
16	Floor	N3	500	Yes	N/A	<300	No	<100
17	Floor	Q3	336	Yes	N/A	<300	No	<100
18	Floor	O3	530	Yes	N/A	<300	No	<100
19	Floor	L3	600	Yes	N/A	<300	No	<100
20	Floor	L3	450	Yes	N/A	<300	No	<100
21	Floor	L3	450	Yes	N/A	<300	No	<100
22	Floor	L3	600	Yes	N/A	<300	No	<100
23	Floor	Q4	330	Yes	N/A	<300	No	<100
24	Floor	Q4	350	Yes	N/A	<300	No	<100
25	Floor	Q4	1500	Yes	N/A	<300	No	<100
26	Floor	N3	1000	Yes	N/A	<300	No	<100
27	Floor	Q4	750	Yes	N/A	<300	No	<100
28	Floor	M3	600	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe

Note 2 - <300 is the FSM value after remediation and re-survey.

Maximum <300 <100

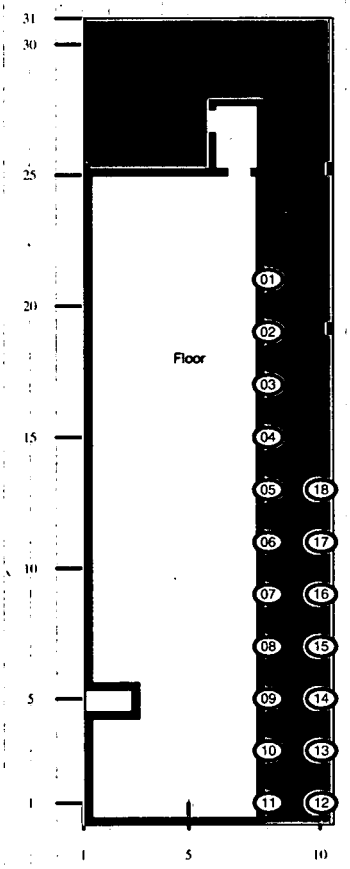
292

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

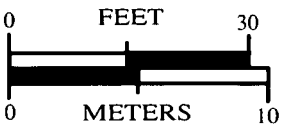
Survey Area: C **Survey Unit: 707097** **Classification: 1**
Building: 707
Survey Unit Description: First floor (K Module - north end floors)

Total Floor Area: 116 sq. m **Total Area: 116 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707097 - MAP 1 OF 1



Scanned Area



N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

293

Survey Area: C	Survey Unit: 707097	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 3-4

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 18 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 18 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	63.6 dpm/100cm²
Minimum:	24.0 dpm/100cm²
Mean:	54.3 dpm/100cm²
Standard Deviation:	11.8
QC Maximum:	52.2 dpm/100cm²
QC Minimum:	40.6 dpm/100cm²
QC Mean:	46.4 dpm/100cm²
Transuranic DCGLw:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 18 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 18 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	8.7 dpm/100cm²
Minimum:	1.2 dpm/100cm²
Mean:	2.9 dpm/100cm²
Standard Deviation:	2.1
Transuranic DCGLw:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: C	Survey Unit: 707097	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 3-4

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	514510	11/01/04	Electra	2172	DP-6	12/30/04	0.220	NA	48.0	NA	T
2	513185	11/01/04	Electra	1245	DP-6	02/23/05	0.223	NA	48.0	NA	T
3	514510	11/01/04	SAC-4	799	NA	12/03/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

295

Survey Area: C	Survey Unit: 707097	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 3-4

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707097PRP-N001	3	8.7	N/A	
707097PRP-N002	3	4.2	N/A	
707097PRP-N003	3	5.7	N/A	
707097PRP-N004	3	1.2	N/A	
707097PRP-N005	3	2.7	N/A	
707097PRP-N006	3	4.2	N/A	
707097PRP-N007	3	1.2	N/A	
707097PRP-N008	3	2.7	N/A	
707097PRP-N009	3	1.2	N/A	
707097PRP-N010	3	1.2	N/A	
707097PRP-N011	3	1.2	N/A	
707097PRP-N012	3	2.7	N/A	
707097PRP-N013	3	2.7	N/A	
707097PRP-N014	3	2.7	N/A	
707097PRP-N015	3	1.2	N/A	
707097PRP-N016	3	1.2	N/A	
707097PRP-N017	3	5.7	N/A	
707097PRP-N018	3	1.2	N/A	

Comments:

Survey Area: C	Survey Unit: 707097	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 3-4

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707097PRP-N001	1	60.4	N/A	
707097PRP-N002	1	63.6	N/A	
707097PRP-N003	1	60.4	N/A	
707097PRP-N004	1	51.3	N/A	
707097PRP-N005	1	63.6	N/A	
707097QRP-N005	2	52.2	N/A	
707097PRP-N006	1	57.2	N/A	
707097PRP-N007	1	60.4	N/A	
707097PRP-N008	1	63.6	N/A	
707097PRP-N009	1	60.4	N/A	
707097PRP-N010	1	52.7	N/A	
707097PRP-N011	1	54.5	N/A	
707097QRP-N011	2	40.6	N/A	
707097PRP-N012	1	27.2	N/A	
707097PRP-N013	1	57.2	N/A	
707097PRP-N014	1	54.5	N/A	
707097PRP-N015	1	24.0	N/A	
707097PRP-N016	1	42.2	N/A	
707097PRP-N017	1	60.4	N/A	
707097PRP-N018	1	63.6	N/A	

Comments: 100% of the accessible floor surfaces were scanned. All values after remediation <300 dpm/100 cm2.

ATTACHMENT B73

Survey Unit 707098 Survey Data and Maps

Investigation Documentation

Survey Unit: 707098

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	meter^2 Average (dpm/100 cm^2)
1	Floor	P5.4	374	Yes	N/A	<300	No	<100
2	Floor	P5.4	585	Yes	N/A	<300	No	<100
3	Floor	P4	384	Yes	N/A	<300	No	<100
4	Floor	P4	346	Yes	N/A	<300	No	<100
5	Floor	P4	389	Yes	N/A	<300	No	<100
6	Floor	P4	389	Yes	N/A	<300	No	<100
7	Floor	O4	3000	Yes	N/A	<300	No	<100
8	Floor	M5.4	446	Yes	N/A	<300	No	<100
9	Floor	N4	427	Yes	N/A	<300	No	<100
10	Floor	P4	600	Yes	N/A	<300	No	<100
11	Floor	P4	800	Yes	N/A	<300	No	<100
12	Floor	N4	925	Yes	N/A	<300	No	<100
13	Floor	N4	2311	Yes	N/A	<300	No	<100
14	Floor	N4	419	Yes	N/A	<300	No	<100
15	Floor	N4	1874	Yes	N/A	<300	No	<100
16	Floor	P4	454	Yes	N/A	<300	No	<100
17	Floor	O4	402	Yes	N/A	<300	No	<100
18	Floor	O4	368	Yes	N/A	<300	No	<100
19	Floor	O4	500	Yes	N/A	<300	No	<100
20	Floor	O4	800	Yes	N/A	<300	No	<100
21	Floor	O4	600	Yes	N/A	<300	No	<100
22	Floor	O4	364	Yes	N/A	<300	No	<100
23	Floor	O4	472	Yes	N/A	<300	No	<100
24	Floor	O4	362	Yes	N/A	<300	No	<100
25	Floor	N4	635	Yes	N/A	<300	No	<100
26	Floor	N5.4	2100	Yes	N/A	<300	No	<100
27	Floor	N5.4	800	Yes	N/A	<300	No	<100
28	Floor	N4	707	Yes	N/A	<300	No	<100
29	Floor	N4	492	Yes	N/A	<300	No	<100
30	Floor	P5.4	600	Yes	N/A	<300	No	<100
31	Floor	P5.4	350	Yes	N/A	<300	No	<100
32	Floor	O5.4	350	Yes	N/A	<300	No	<100
33	Floor	N5.4	400	Yes	N/A	<300	No	<100
34	Floor	N5.4	450	Yes	N/A	<300	No	<100
35	Floor	O4	4955	Yes	N/A	<300	No	<100
36	Floor	N5.4	400	Yes	N/A	<300	No	<100
37	Floor	N4	419	Yes	N/A	<300	No	<100
38	Floor	O4	608	Yes	N/A	<300	No	<100
39	Floor	O4	1780	Yes	N/A	<300	No	<100
40	Floor	M5.4	700	Yes	N/A	<300	No	<100
41	Floor	L5.4	1200	Yes	N/A	<300	No	<100
42	Floor	O4	492	Yes	N/A	<300	No	<100
43	Floor	P4	350	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe

Note 2 - <300 is the FSM value after remediation and re-survey.

Maximum <300 <100

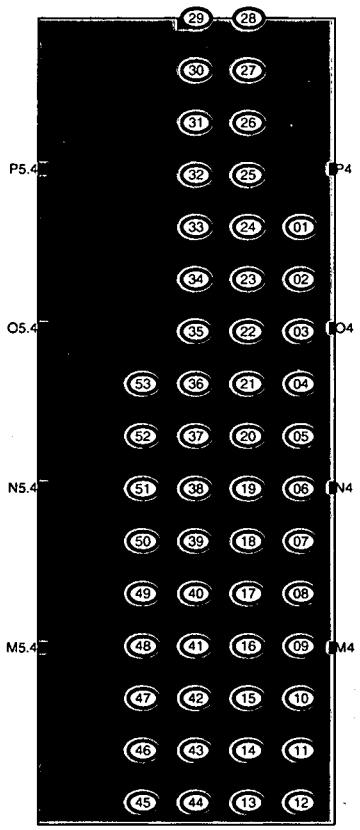
299

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

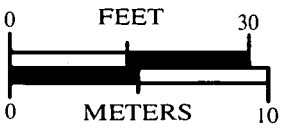
Survey Area: C **Survey Unit: 707098** **Classification: 1**
Building: 707
Survey Unit Description: First floor (K Module floor - south end)

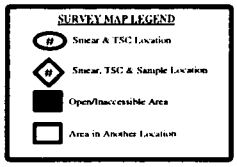
Total Floor Area: 348 sq. m **Total Area: 348 sq. m** **Grid Size: 2 x 2 sq.m**

SURVEY UNIT 707098 - MAP 1 OF 1



Scanned Area





300

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 53 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 5

Nbr Random Measurements Performed: 53 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 5

Alpha

Maximum:	52.3 dpm/100cm²
Minimum:	-0.8 dpm/100cm²
Mean:	21.9 dpm/100cm²
Standard Deviation:	13.5
QC Maximum:	42.3 dpm/100cm²
QC Minimum:	9.1 dpm/100cm²
QC Mean:	29.0 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 53 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 53 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	1.0 dpm/100cm²
Standard Deviation:	1.2
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

301

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	516375	11/02/04	Electra	1396	DP-6	04/11/05	0.226	NA	48.0	NA	T
2	514510	11/02/04	Electra	2383	DP-6	12/30/04	0.220	NA	48.0	NA	T
3	514510	11/02/04	SAC-4	799	NA	12/03/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

302

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707098PRP-N001	3	-0.3	N/A	
707098PRP-N002	3	-0.3	N/A	
707098PRP-N003	3	1.2	N/A	
707098PRP-N004	3	1.2	N/A	
707098PRP-N005	3	1.2	N/A	
707098PRP-N006	3	-0.3	N/A	
707098PRP-N007	3	1.2	N/A	
707098PRP-N008	3	2.7	N/A	
707098PRP-N009	3	-0.3	N/A	
707098PRP-N010	3	1.2	N/A	
707098PRP-N011	3	2.7	N/A	
707098PRP-N012	3	-0.3	N/A	
707098PRP-N013	3	2.7	N/A	
707098PRP-N014	3	-0.3	N/A	
707098PRP-N015	3	1.2	N/A	
707098PRP-N016	3	1.2	N/A	
707098PRP-N017	3	1.2	N/A	
707098PRP-N018	3	-0.3	N/A	
707098PRP-N019	3	-0.3	N/A	
707098PRP-N020	3	1.2	N/A	
707098PRP-N021	3	1.2	N/A	
707098PRP-N022	3	1.2	N/A	
707098PRP-N023	3	1.2	N/A	
707098PRP-N024	3	2.7	N/A	
707098PRP-N025	3	2.7	N/A	
707098PRP-N026	3	1.2	N/A	
707098PRP-N027	3	-0.3	N/A	
707098PRP-N028	3	2.7	N/A	
707098PRP-N029	3	-0.3	N/A	

303

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707098PRP-N030	3	1.2	N/A	
707098PRP-N031	3	2.7	N/A	
707098PRP-N032	3	-0.3	N/A	
707098PRP-N033	3	1.2	N/A	
707098PRP-N034	3	1.2	N/A	
707098PRP-N035	3	-0.3	N/A	
707098PRP-N036	3	2.7	N/A	
707098PRP-N037	3	1.2	N/A	
707098PRP-N038	3	2.7	N/A	
707098PRP-N039	3	1.2	N/A	
707098PRP-N040	3	1.2	N/A	
707098PRP-N041	3	1.2	N/A	
707098PRP-N042	3	-0.3	N/A	
707098PRP-N043	3	4.2	N/A	
707098PRP-N044	3	1.2	N/A	
707098PRP-N045	3	-0.3	N/A	
707098PRP-N046	3	1.2	N/A	
707098PRP-N047	3	-0.3	N/A	
707098PRP-N048	3	-0.3	N/A	
707098PRP-N049	3	4.2	N/A	
707098PRP-N050	3	-0.3	N/A	
707098PRP-N051	3	-0.3	N/A	
707098PRP-N052	3	-0.3	N/A	
707098PRP-N053	3	1.2	N/A	

Comments:

304

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707098PRP-N001	1	10.8	N/A	
707098QRP-N001	2	30.0	N/A	
707098PRP-N002	1	40.4	N/A	
707098PRP-N003	1	22.7	N/A	
707098PRP-N004	1	52.3	N/A	
707098PRP-N005	1	10.8	N/A	
707098PRP-N006	1	1.9	N/A	
707098PRP-N007	1	19.6	N/A	
707098PRP-N008	1	43.5	N/A	
707098PRP-N009	1	46.1	N/A	
707098PRP-N010	1	40.4	N/A	
707098PRP-N011	1	37.3	N/A	
707098PRP-N012	1	16.9	N/A	
707098PRP-N013	1	52.3	N/A	
707098PRP-N014	1	37.3	N/A	
707098PRP-N015	1	31.5	N/A	
707098PRP-N016	1	28.4	N/A	
707098PRP-N017	1	52.3	N/A	
707098PRP-N018	1	-0.8	N/A	
707098PRP-N019	1	19.6	N/A	
707098QRP-N019	2	42.3	N/A	
707098PRP-N020	1	19.6	N/A	
707098PRP-N021	1	16.9	N/A	
707098PRP-N022	1	16.9	N/A	
707098PRP-N023	1	5.0	N/A	
707098PRP-N024	1	10.8	N/A	
707098PRP-N025	1	13.8	N/A	

305

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707098PRP-N026	1	8.1	N/A	
707098QRP-N026	2	42.3	N/A	
707098PRP-N027	1	16.9	N/A	
707098PRP-N028	1	1.9	N/A	
707098PRP-N029	1	5.0	N/A	
707098PRP-N030	1	22.7	N/A	
707098PRP-N031	1	22.7	N/A	
707098PRP-N032	1	22.7	N/A	
707098PRP-N033	1	16.9	N/A	
707098QRP-N033	2	21.0	N/A	
707098PRP-N034	1	10.8	N/A	
707098PRP-N035	1	13.8	N/A	
707098PRP-N036	1	16.9	N/A	
707098PRP-N037	1	22.7	N/A	
707098PRP-N038	1	31.5	N/A	
707098PRP-N039	1	22.7	N/A	
707098PRP-N040	1	10.8	N/A	
707098PRP-N041	1	13.8	N/A	
707098PRP-N042	1	13.8	N/A	
707098PRP-N043	1	22.7	N/A	
707098PRP-N044	1	25.8	N/A	
707098PRP-N045	1	40.4	N/A	
707098PRP-N046	1	13.8	N/A	
707098PRP-N047	1	37.3	N/A	
707098PRP-N048	1	19.6	N/A	
707098PRP-N049	1	13.8	N/A	
707098PRP-N050	1	25.8	N/A	

306

Survey Area: C	Survey Unit: 707098	Building: 707

Description: B707 1st floor "K" module floor area between columns L-Q, 4-5.4

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707098PRP-N051	1	16.9	N/A	
707098PRP-N052	1	1.9	N/A	
707098PRP-N053	1	22.7	N/A	
707098QRP-N053	2	9.1	N/A	

Comments: 100% of the accessible floor surfaces scanned. All values <300 dpm/100 cm2 after remediation.

307

ATTACHMENT B74

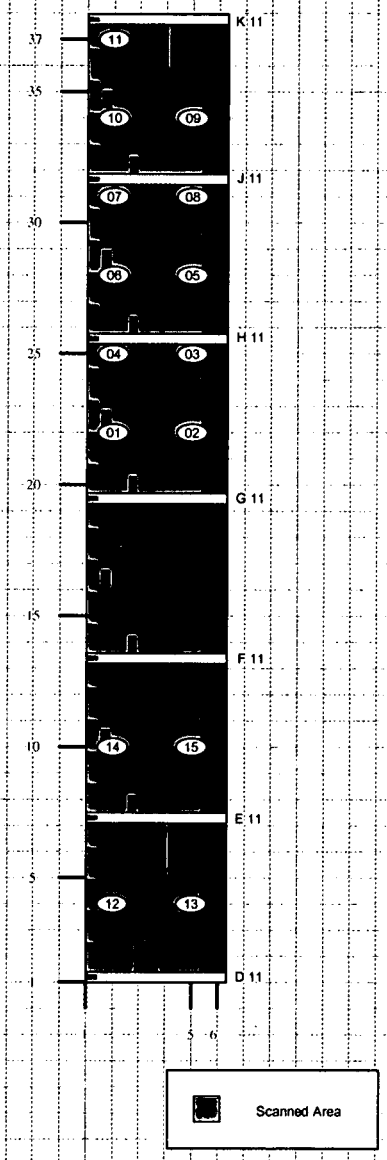
Survey Unit 707113 Survey Data and Maps

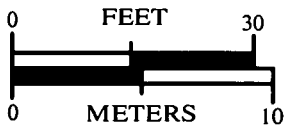
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: R **Survey Unit: 707113** **Classification: 1**
Building: 707
Survey Unit Description: Reclassified south wall of E module area - 1st floor building 707

Total Floor Area: 0 sq. m **Total Area: 186 sq. m** **Grid Size: 3 x 3 sq.m**

SURVEY UNIT 707113 - MAP 1 OF 1





N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Another Location

309

Survey Area: R	Survey Unit: 707113	Building: 707

Description: Reclassified south wall of the "E" module area - 1st floor B707

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	73.6 dpm/100cm²
Minimum:	10.0 dpm/100cm²
Mean:	33.6 dpm/100cm²
Standard Deviation:	16.3
QC Maximum:	54.9 dpm/100cm²
QC Minimum:	13.4 dpm/100cm²
QC Mean:	34.1 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.5 dpm/100cm²
Minimum:	0.0 dpm/100cm²
Mean:	0.7 dpm/100cm²
Standard Deviation:	1.3
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

310

Survey Area: R	Survey Unit: 707113	Building: 707

Description: Reclassified south wall of the "E" module area - 1st floor B707

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511798	09/03/04	Electra	4176	DP-6	01/16/05	0.220	NA	48.0	NA	S
2	511798	09/03/04	SAC-4	982	NA	01/19/05	0.333	NA	10.0	NA	R
3	511510	09/03/04	Electra	2138	DP-6	02/25/05	0.222	NA	48.0	NA	T/S
4	509552	09/03/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R
5	509552	09/03/04	Electra	1384	DP-6	01/16/05	0.216	NA	48.0	NA	T/S
6	511510	09/03/04	Electra	1259	DP-6	10/22/05	0.224	NA	48.0	NA	S

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

311

Survey Area: R	Survey Unit: 707113	Building: 707

Description: Reclassified south wall of the "E" module area - 1st floor B707

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707113PRP-N001	2	1.5	N/A	
707113PRP-N002	2	0.0	N/A	
707113PRP-N003	2	0.0	N/A	
707113PRP-N004	2	0.0	N/A	
707113PRP-N005	2	0.0	N/A	
707113PRP-N006	2	0.0	N/A	
707113PRP-N007	2	1.5	N/A	
707113PRP-N008	2	0.0	N/A	
707113PRP-N009	2	0.0	N/A	
707113PRP-N010	2	0.0	N/A	
707113PRP-N011	2	4.5	N/A	
707113PRP-N012	2	0.0	N/A	
707113PRP-N013	2	1.5	N/A	
707113PRP-N014	2	1.5	N/A	
707113PRP-N015	2	0.0	N/A	

Comments:

312

Survey Area: R	Survey Unit: 707113	Building: 707

Description: Reclassified south wall of the "E" module area - 1st floor B707

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707113PRP-N001	1	12.7	N/A	
707113PRP-N002	1	19.0	N/A	
707113PRP-N003	1	28.1	N/A	
707113PRP-N004	1	19.0	N/A	
707113PRP-N005	1	40.0	N/A	
707113PRP-N006	1	40.0	N/A	
707113PRP-N007	1	43.1	N/A	
707113PRP-N008	1	25.0	N/A	
707113PRP-N009	1	43.1	N/A	
707113PRP-N010	1	37.2	N/A	
707113PRP-N011	1	73.6	N/A	
707113QRP-N011	6	54.9	N/A	
707113PRP-N012	1	10.0	N/A	
707113QRP-N012	6	13.4	N/A	
707113PRP-N013	1	25.0	N/A	
707113PRP-N014	1	47.7	N/A	
707113PRP-N015	1	40.0	N/A	

Comments: Scanned 100% of the accessible wall surfaces. All values <300 dpm/100 cm2.

ATTACHMENT B75

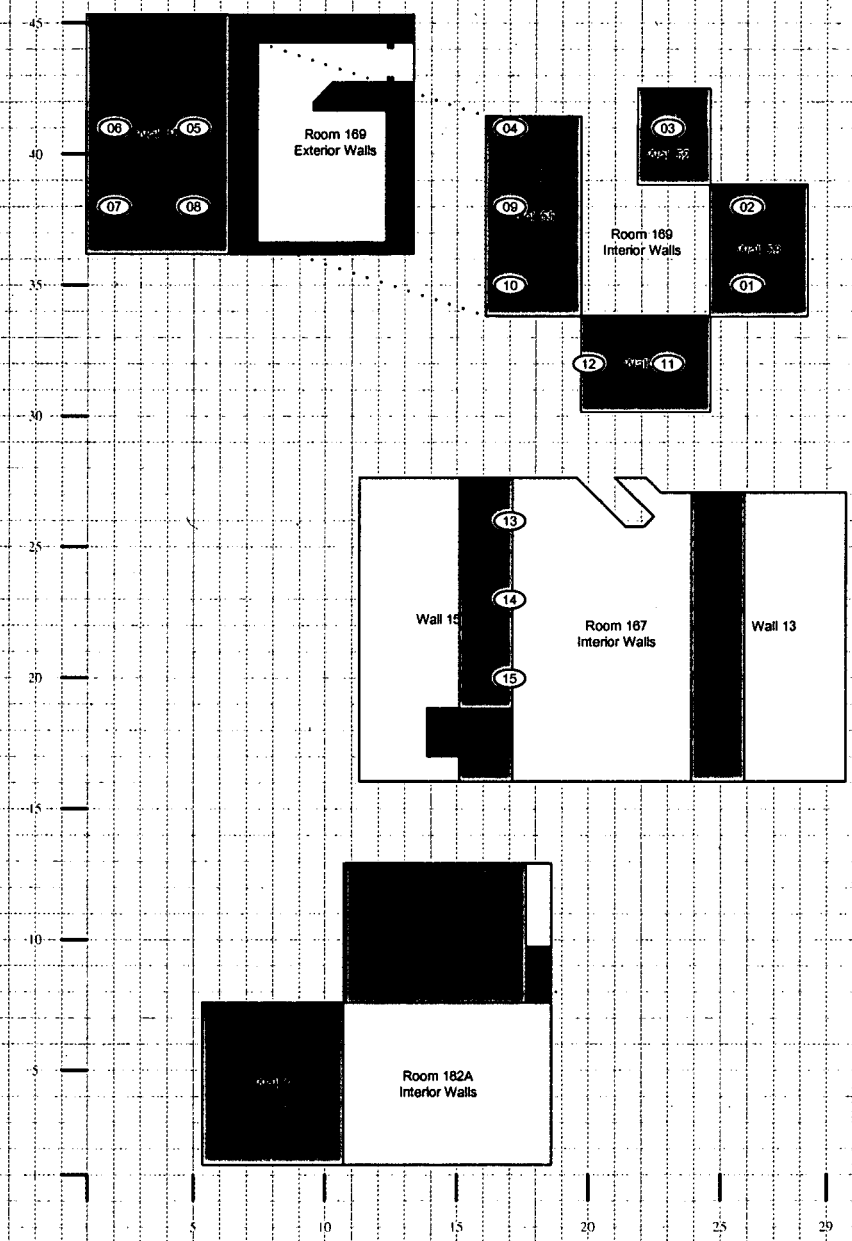
Survey Unit 707114 Survey Data and Maps

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: R **Survey Unit: 707114** **Classification: 1**
Building: 707
Survey Unit Description: Reclassification of vaults and office area walls

Total Floor Area: NA **Total Area: 233 sq. m** **Random Start Grid Size: 3m x 3m**

SURVEY UNIT 707114 - MAP 1 OF 1



Scanned Area

0 FEET 30
0 METERS 10

N

SURVEY MAP LEGEND
Smear & TSC Location
Smear, TSC & Sample Location
Open/Inaccessible Area
Area in Survey Unit

315

Survey Area: R	Survey Unit: 707114	Building: 707

Description: Reclassification of vaults and office area walls

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 2

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 2

Alpha

Maximum:	51.8 dpm/100cm²
Minimum:	-10.2 dpm/100cm²
Mean:	26.0 dpm/100cm²
Standard Deviation:	15.5
QC Maximum:	44.9 dpm/100cm²
QC Minimum:	29.7 dpm/100cm²
QC Mean:	37.3 dpm/100cm²
Transuranic DCGLW:	100.0 dpm/100cm²
Transuranic DCGLEMC:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 15 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 15 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	4.2 dpm/100cm²
Minimum:	-0.3 dpm/100cm²
Mean:	0.7 dpm/100cm²
Standard Deviation:	1.5
Transuranic DCGLW:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

316

Survey Area: R	Survey Unit: 707114	Building: 707

Description: Reclassification of vaults and office area walls

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	513185	09/21/04	Electra	3974	DP-6	03/07/05	0.213	NA	48.0	NA	S
2	514510	09/21/04	Electra	4413	DP-6	03/09/05	0.208	NA	48.0	NA	S
3	513185	09/22/04	Electra	1384	DP-6	01/16/05	0.216	NA	48.0	NA	T/S
4	514510	09/22/04	Electra	3972	DP-6	02/04/05	0.224	NA	48.0	NA	Q/S
5	514510	09/22/04	SAC-4	957	NA	11/05/04	0.333	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

Survey Area: R	Survey Unit: 707114	Building: 707

Description: Reclassification of vaults and office area walls

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707114PRP-N001	5	4.2	N/A	
707114PRP-N002	5	-0.3	N/A	
707114PRP-N003	5	-0.3	N/A	
707114PRP-N004	5	-0.3	N/A	
707114PRP-N005	5	-0.3	N/A	
707114PRP-N006	5	1.2	N/A	
707114PRP-N007	5	1.2	N/A	
707114PRP-N008	5	-0.3	N/A	
707114PRP-N009	5	-0.3	N/A	
707114PRP-N010	5	2.7	N/A	
707114PRP-N011	5	-0.3	N/A	
707114PRP-N012	5	-0.3	N/A	
707114PRP-N013	5	-0.3	N/A	
707114PRP-N014	5	1.2	N/A	
707114PRP-N015	5	2.7	N/A	

Comments:

Survey Area: R	Survey Unit: 707114	Building: 707

Description: Reclassification of vaults and office area walls

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707114PRP-N001	3	17.6	N/A	
707114PRP-N002	3	36.1	N/A	
707114PRP-N003	3	30.1	N/A	
707114QRP-N003	4	29.7	N/A	
707114PRP-N004	3	20.8	N/A	
707114PRP-N005	3	20.8	N/A	
707114PRP-N006	3	-10.2	N/A	
707114PRP-N007	3	36.1	N/A	
707114PRP-N008	3	5.5	N/A	
707114PRP-N009	3	42.6	N/A	
707114PRP-N010	3	33.3	N/A	
707114PRP-N011	3	14.8	N/A	
707114PRP-N012	3	39.3	N/A	
707114PRP-N013	3	51.8	N/A	
707114PRP-N014	3	24.1	N/A	
707114PRP-N015	3	26.8	N/A	
707114QRP-N015	4	44.9	N/A	

Comments: A 100% scan of lower walls, and 50% scan of upper walls were performed on affected areas. All values <300 dpm/100 cm2.

ATTACHMENT B76

Survey Unit 707117 Survey Data and Maps

Investigation Documentation

Survey Unit: **707117**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Walls	M1	22554	Yes	N/A	<300	No	<100
2	Walls	M1	308	Yes	N/A	<300	No	<100
3	Walls	M1	317	Yes	N/A	<300	No	<100
1	Walls	O1	698	Yes	N/A	<300	No	<100
2	Walls	M2	805	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe Maximum <300 <100

Note 2 - <300 is the Final Survey Monitor value after remediation and re-survey.

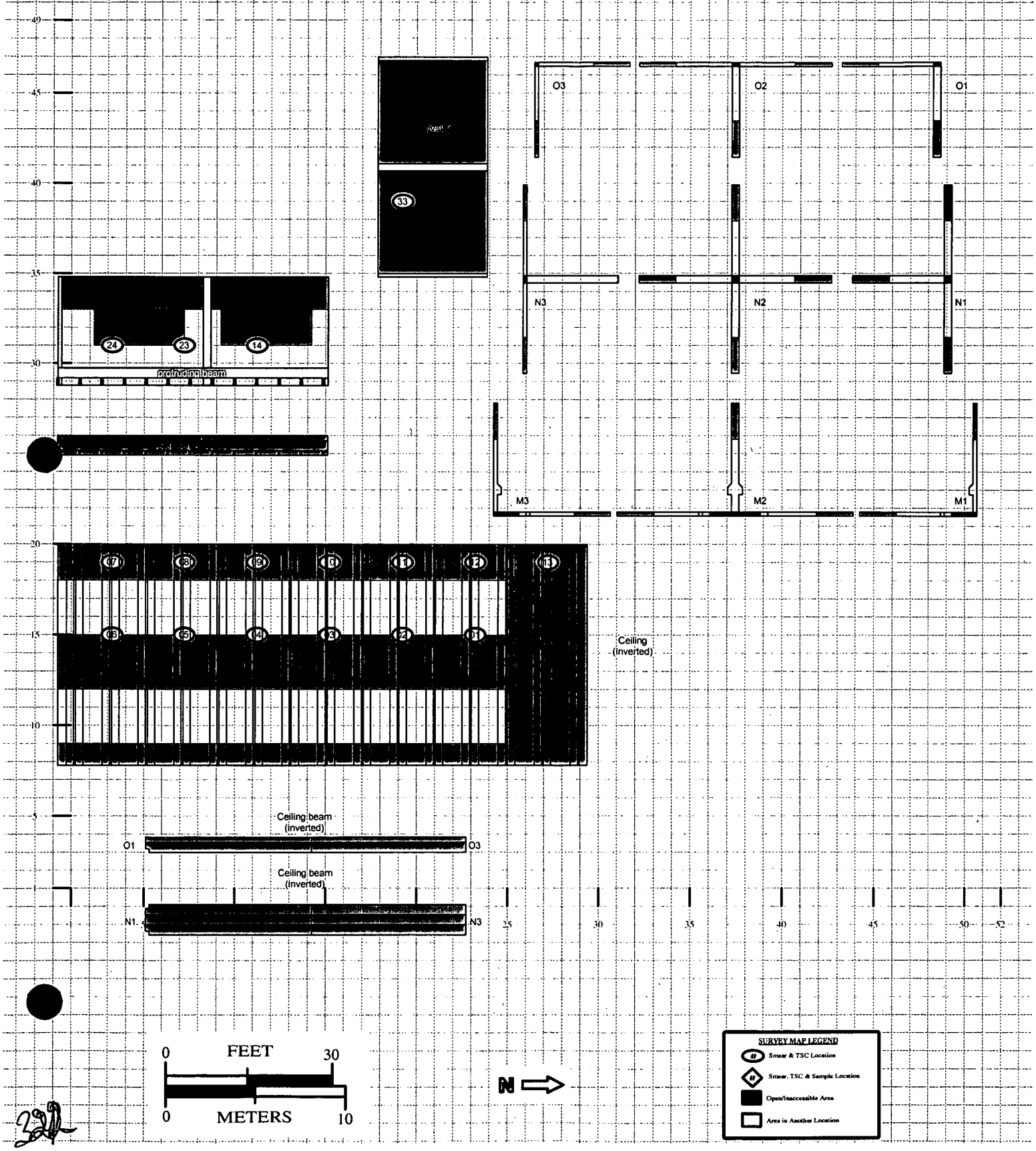
321

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: R **Survey Unit: 707117** **Classification: 2**
Building: 707
Survey Unit Description: First floor- J module walls and ceiling

Total Floor Area: 0 sq. m **Total Area: 601 sq. m** **Random Start Grid Size: 4 x 4 sq. m**

SURVEY UNIT 707117 - MAP 1 OF 1



Survey Area: R	Survey Unit: 707117	Building: 707

Description: First Floor - Walls and ceiling of J module east side, M-0, 1-3

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 0

Alpha

Maximum:	51.4 dpm/100cm²
Minimum:	-8.7 dpm/100cm²
Mean:	19.9 dpm/100cm²
Standard Deviation:	16.3
QC Maximum:	NA dpm/100cm²
QC Minimum:	NA dpm/100cm²
QC Mean:	NA dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 17 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 17 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	5.1 dpm/100cm²
Minimum:	-0.9 dpm/100cm²
Mean:	0.4 dpm/100cm²
Standard Deviation:	2.0
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

Survey Area: R	Survey Unit: 707117	Building: 707

cription: First Floor - Walls and ceiling of J module east side, M-0, 1-3

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	512999	10/24/04	Electra	1427	DP-6	02/28/05	0.211	NA	48.0	NA	T/S
2	511798	10/24/04	Electra	4396	DP-6	02/20/05	0.211	NA	48.0	NA	T/S
3	512999	10/24/04	SAC-4	812	NA	04/18/05	0.333	NA	10.0	NA	R
4	511798	10/24/04	Electra	4396	DP-6	02/20/05	0.211	NA	48.0	NA	I
9	511798	10/24/04	Electra	4396	DP-6	02/20/05	0.211	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

324

Survey Area: R	Survey Unit: 707117	Building: 707

Description: First Floor - Walls and ceiling of J module east side, M-0, 1-3

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707117PRP-N001	3	5.1	N/A	
707117PRP-N002	3	-0.9	N/A	
707117PRP-N003	3	-0.9	N/A	
707117PRP-N004	3	0.6	N/A	
707117PRP-N005	3	2.1	N/A	
707117PRP-N006	3	-0.9	N/A	
707117PRP-N007	3	-0.9	N/A	
707117PRP-N008	3	0.6	N/A	
707117PRP-N009	3	2.1	N/A	
707117PRP-N010	3	5.1	N/A	
707117PRP-N011	3	-0.9	N/A	
707117PRP-N012	3	-0.9	N/A	
707117PRP-N013	3	-0.9	N/A	
707117PRP-N014	3	0.6	N/A	
707117PRP-N023	3	-0.9	N/A	
707117PRP-N024	3	-0.9	N/A	
707117PRP-N033	3	-0.9	N/A	

Comments:

Survey Area: R	Survey Unit: 707117	Building: 707

Description: First Floor - Walls and ceiling of J module east side, M-0, 1-3

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707117PRP-N001	1	23.0	N/A	
707117PRP-N002	1	4.1	N/A	
707117PRP-N003	1	-2.6	N/A	
707117PRP-N004	1	42.0	N/A	
707117PRP-N005	1	51.4	N/A	
707117PRP-N006	1	25.9	N/A	
707117PRP-N007	1	16.4	N/A	
707117PRP-N008	1	16.4	N/A	
707117SRP-N009	4	40.1	N/A	
707117PRP-N010	1	35.3	N/A	
707117PRP-N011	1	6.9	N/A	
707117PRP-N012	1	10.2	N/A	
707117PRP-N013	1	-8.7	N/A	
707117PRP-N014	1	23.0	N/A	
707117PRP-N023	1	25.9	N/A	
707117PRP-N024	1	6.9	N/A	
707117PRP-N033	1	23.0	N/A	

Comments: 100% of the lower wall and >50% of the upper wall and ceiling surfaces were scanned. All values <300 dpm/100 cm2.

326

ATTACHMENT B77

Survey Unit 707118 Survey Data and Maps

Investigation Documentation

Survey Unit: **707118**

Investigation Number	Surface Floor, Wall, Ceiling etc.	Location	"As Found" (dpm/100 cm^2)	Remediation Performed? (Yes/No)	"As Left" (dpm) Note 1	Note 2 "As Left" (dpm/100 cm^2)	9-Point Done? (Yes/No)	$meter^2$ Average (dpm/100 cm^2)
1	Wall	Q1	345	Yes	N/A	<300	No	<100
2	Wall	P1	688	Yes	N/A	<300	No	<100

Note 1 - total activity per 600 cm^2 probe

Maximum <300 <100

Note 2 - <300 is the Floor Survey Monitor scan data after remediation and re-survey.

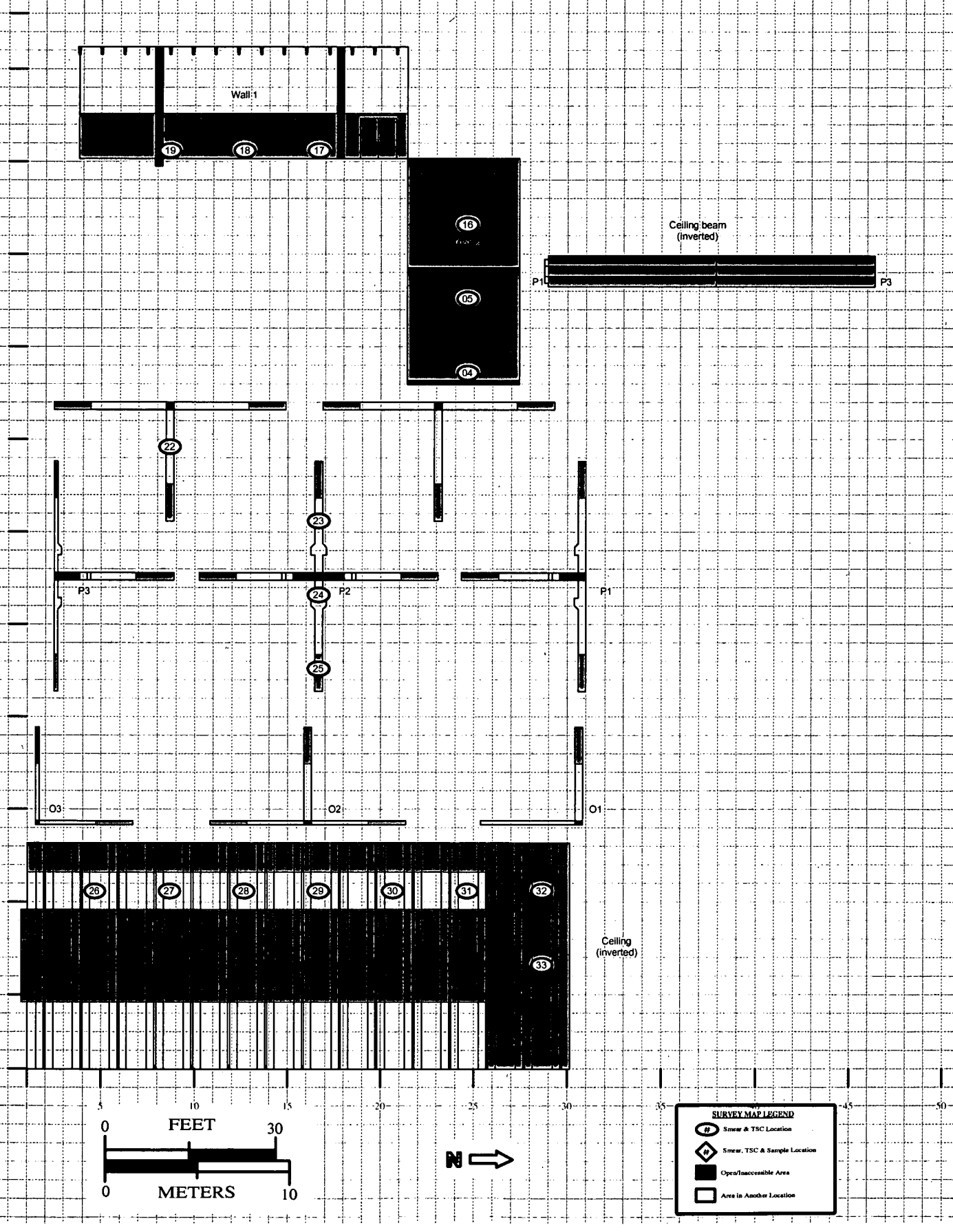
328

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 707 CLUSTER

Survey Area: R **Survey Unit: 707118** **Classification: 2**
Building: 707
Survey Unit Description: First floor- J module walls and ceiling

Total Floor Area: 0 sq. m **Total Area: 560 sq. m** **Random Start Grid Size: 4 x 4 sq. m**

SURVEY UNIT 707118 - MAP 1 OF 1



329

Survey Area: R	Survey Unit: 707118	Building: 707

Description: First Floor - Walls and ceiling of J module east side, 0-Q, 1-3

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 18 | Nbr Biased Measurements Required: 0 | Nbr QC Required: 0

Nbr Random Measurements Performed: 18 | Nbr Biased Measurements Performed: 0 | Nbr QC Performed: 0

Alpha

Maximum:	77.9 dpm/100cm²
Minimum:	-6.2 dpm/100cm²
Mean:	22.6 dpm/100cm²
Standard Deviation:	21.5
QC Maximum:	NA dpm/100cm²
QC Minimum:	NA dpm/100cm²
QC Mean:	NA dpm/100cm²
Transuranic $DCGL_W$:	100.0 dpm/100cm²
Transuranic $DCGL_{EMC}$:	300.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 18 | Nbr Biased Measurements Required: 0

Nbr Random Measurements Performed: 18 | Nbr Biased Measurements Performed: 0

Alpha

Maximum:	1.5 dpm/100cm²
Minimum:	-1.5 dpm/100cm²
Mean:	-1.0 dpm/100cm²
Standard Deviation:	1.0
Transuranic $DCGL_W$:	20.0 dpm/100cm²

Media Sample Results

Nbr Random Required: 0 | Nbr Biased Required: 0

Nbr Random Collected: 0 | Nbr Biased Collected: 0

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

330

Survey Area: R	Survey Unit: 707118	Building: 707

cription: First Floor - Walls and ceiling of J module east side, 0-Q, 1-3

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	508194	10/25/04	Electra	3120	DP-6	02/17/05	0.222	NA	48.0	NA	T/S
2	510198	10/25/04	SAC-4	1057	NA	04/05/05	0.333	NA	10.0	NA	R
3	513185	10/25/04	Electra	3977	DP-6	01/31/05	0.213	NA	48.0	NA	T/S
6	513185	10/25/04	Electra	3977	DP-6	01/31/05	0.213	NA	48.0	NA	I

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

331

Survey Area: R	Survey Unit: 707118	Building: 707

Description: First Floor - Walls and ceiling of J module east side, 0-Q, 1-3

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707118PRP-N004	2	-1.5	N/A	
707118PRP-N005	2	1.5	N/A	
707118PRP-N016	2	-1.5	N/A	
707118PRP-N017	2	-1.5	N/A	
707118PRP-N018	2	0.0	N/A	
707118PRP-N019	2	1.5	N/A	
707118PRP-N022	2	-1.5	N/A	
707118PRP-N023	2	-1.5	N/A	
707118PRP-N024	2	-1.5	N/A	
707118PRP-N025	2	-1.5	N/A	
707118PRP-N026	2	-1.5	N/A	
707118PRP-N027	2	-1.5	N/A	
707118PRP-N028	2	-1.5	N/A	
707118PRP-N029	2	0.0	N/A	
707118PRP-N030	2	-1.5	N/A	
707118PRP-N031	2	-1.5	N/A	
707118PRP-N032	2	-1.5	N/A	
707118PRP-N033	2	-1.5	N/A	

Comments:

332

Survey Area: R	Survey Unit: 707118	Building: 707

Description: First Floor - Walls and ceiling of J module east side, 0-Q, 1-3

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
707118PRP-N004	1	37.5	N/A	
707118PRP-N005	1	31.6	N/A	
707118PRP-N016	1	22.6	N/A	
707118PRP-N017	1	4.6	N/A	
707118PRP-N018	1	46.5	N/A	
707118IRP-N019	6	77.9	N/A	
707118PRP-N022	1	36.1	N/A	
707118PRP-N023	1	9.1	N/A	
707118PRP-N024	1	13.6	N/A	
707118PRP-N025	1	-4.4	N/A	
707118PRP-N026	1	22.6	N/A	
707118PRP-N027	1	40.6	N/A	
707118PRP-N028	1	7.3	N/A	
707118PRP-N029	1	36.1	N/A	
707118PRP-N030	1	25.3	N/A	
707118PRP-N031	1	-1.7	N/A	
707118PRP-N032	1	-6.2	N/A	
707118PRP-N033	1	7.3	N/A	

Comments: 100% of the accessible surfaces of the lower walls, and >50% of the upper walls and ceiling performed. All values <300 dpm/100 cm2.

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ATTACHMENT C

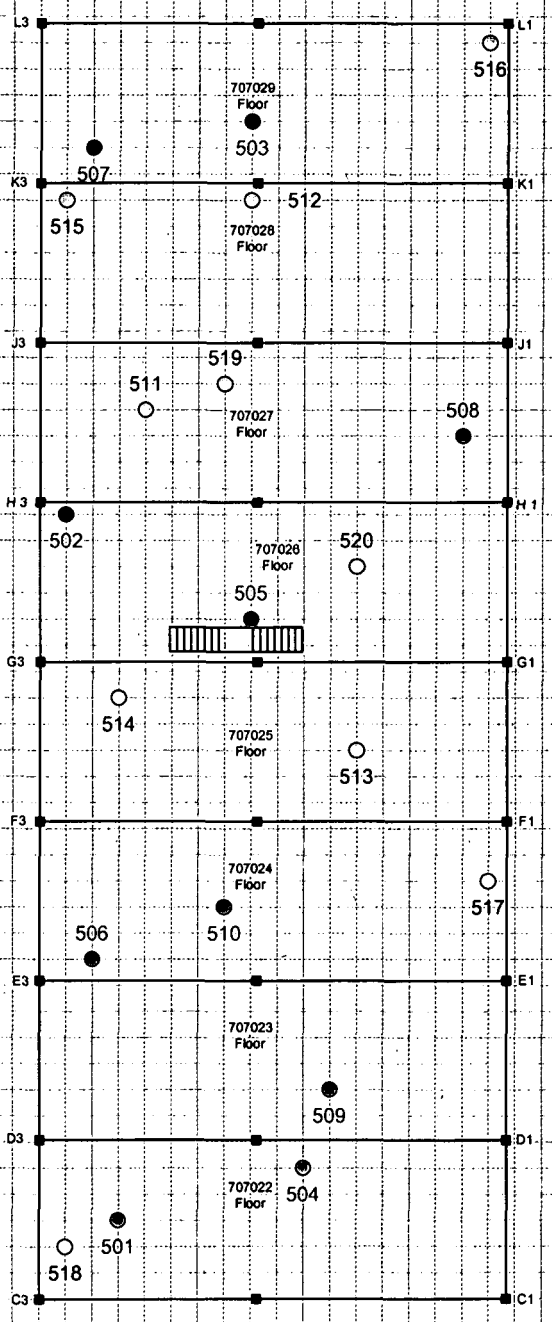
Chemical Data Summaries and Sample Maps

BERYLLIUM CHARACTERIZATION SURVEY FOR THE 707 CLUSTER

Survey Area: 1 **Survey Unit: 707021-707029** **Classification: NA**
Building: 707
Survey Unit Description: A Module Overview

Total Floor Area: NA **Total Area: NA** **Random Start Grid Size: NA**

A Module Overview



Be Sample Locations

707-10162004-31-xxx (Floor)

707-10162004-31-xxx (Elevated)

0 FEET 30

0 METERS 10

N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

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IHISR_SAMPLE_RESULTS_REPORT
Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-501	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-149, S-11, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-502	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-61, S-2, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-503	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-14, S-32, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-504	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-141, S-32, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-505	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-77, S-21, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-506	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-117, S-5, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-507	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-19, S-8, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-508	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-53, S-36, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-509	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-136, S-24, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-510	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-112, S-17, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-511	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-48, S-11, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-512	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-26, S-20, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-513	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-93, S-28, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-514	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-82, S-8, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-515	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-22, S-2, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-516	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-1, S-39, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-517	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-107, S-38 CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

DOES NOT CONTAIN
OFFICIAL USE ONLY INFORMATION

Name/Org Shyne Nagle/PRC Date 11/5/08

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Industrial Hygie[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-518	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-151, S-1, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-519	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-48, S-19 BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-520	SURVEY	100 (MOD A)	FINAL BERYLLIUM SURVEY W-73, S-27, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 20

Hygienist Subtotal: 20

Company Subtotal: 20

Grand Total 20

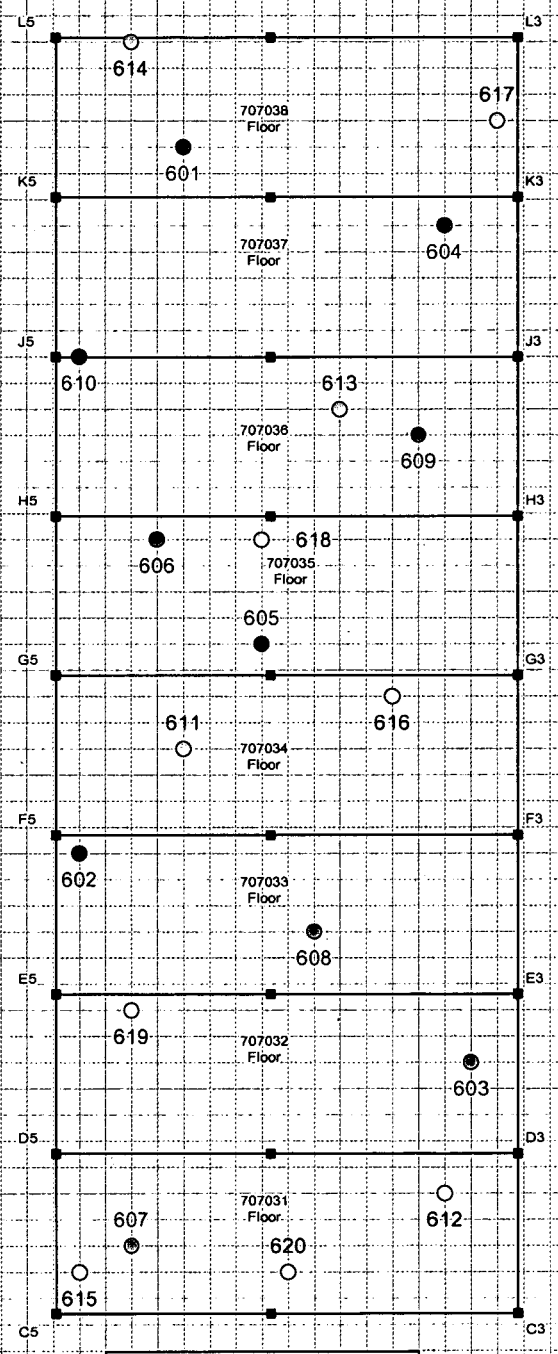
[redacted]

BERYLLIUM CHARACTERIZATION SURVEY FOR THE 707 CLUSTER

Survey Area: 1 **Survey Unit: 707031-707038** **Classification: 2**
Building: 707
Survey Unit Description: B Module Overview

Total Floor Area: sq. m **Total Area: sq. m** **Random Start Grid Size: sq. m**

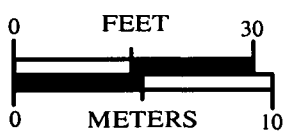
B Module Overview

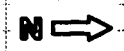


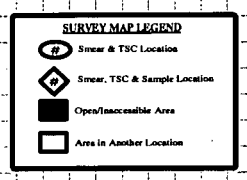
Be Sample Locations

707-10162004-31-xxx (Floor)

707-10162004-31-xxx (Elevated)







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Industrial Hygien[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-601	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-16, S-15, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-602	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-102, S-1, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-603	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-126, S-35, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-604	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-22, S-32, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-605	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-79, S-20, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-606	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-63, S-10, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-607	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-149, S-12, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-608	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-110, S-23, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-609	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-52, S-32, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-610	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-40, S-2, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-611	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-94, S-9 BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-612	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-145, S-31, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-613	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-47, S-26 CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-614	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-0, S-9 CONDIUT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-615	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-152, S-4, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-616	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-82, S-29, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-617	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-10, S-39, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

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Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-618	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-63, S-18, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-619	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-125, S-8, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-620	SURVEY	105 (MOD B)	FINAL SURVEY BERYLLIUM W-157, S-21, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 20
Hygienist Subtotal: 20
Company Subtotal: 20
Grand Total 20

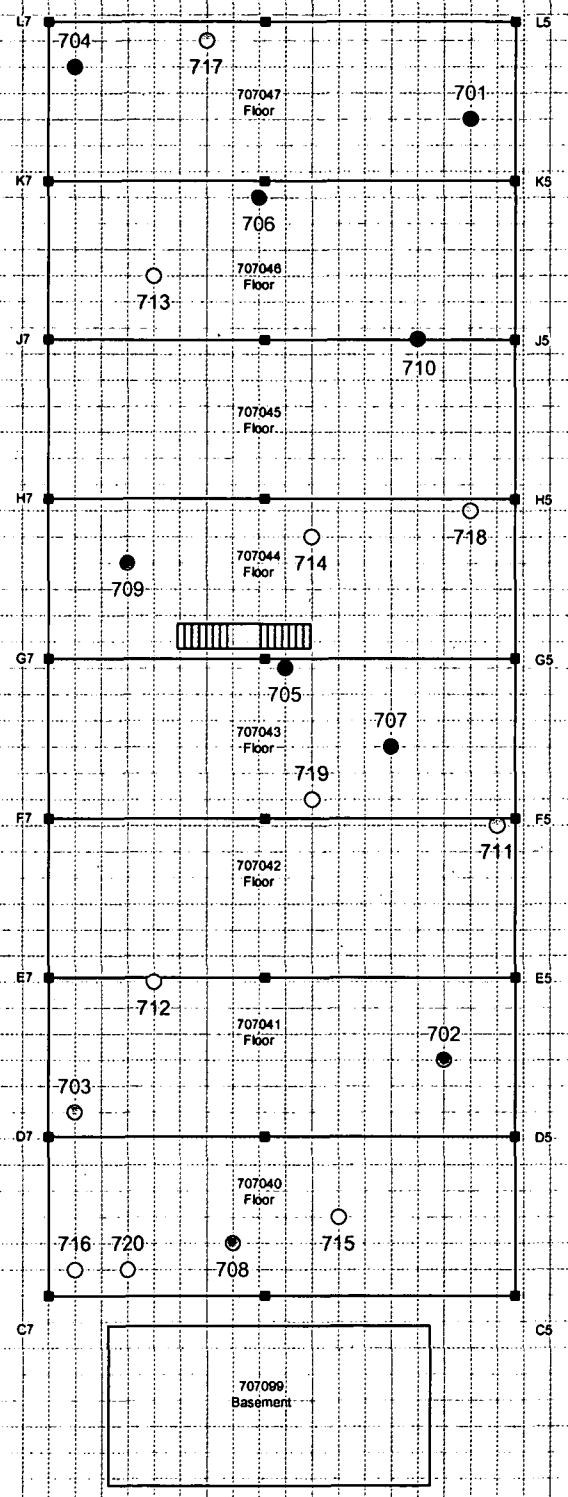
[redacted]

BERYLLIUM CHARACTERIZATION SURVEY FOR THE 707 CLUSTER

Survey Area: 1 **Survey Unit: 707040-707047** **Classification: 2**
Building: 707
Survey Unit Description: C Module Overview

Total Floor Area: 862 sq. m **Total Area: 862 sq. m** **Random Start Grid Size: 2 x 2 sq. m**

C Module Overview



Be Sample Locations

707-10162004-31-xxx (Floor)

707-10162004-31-xxx (Elevated)

0 FEET 30

0 METERS 10

N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

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Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-701	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-13, S-37, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-702	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-132, S-33, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-703	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-135, S-5, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-704	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-8, S-3, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-705	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-79, S-20, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-706	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-22, S-22, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-707	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-88, S-30, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-708	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-152, S-18, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-709	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-67, S-9, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-710	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-40, S-33, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-711	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-100, S-37, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-712	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-120, S-13, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-713	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-31, S-12, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-714	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-63, S-23. BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-715	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-153, S-24, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-716	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-99, S-1, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-717	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-5, S-14, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygien[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-718	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-62, S-36, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-719	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-98, S-24, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-720	SURVEY	110 (MOD C)	BERYLLIUM FINAL SURVEY W-98, S-7, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 20

Hygienist Subtotal: 20

Company Subtotal: 20

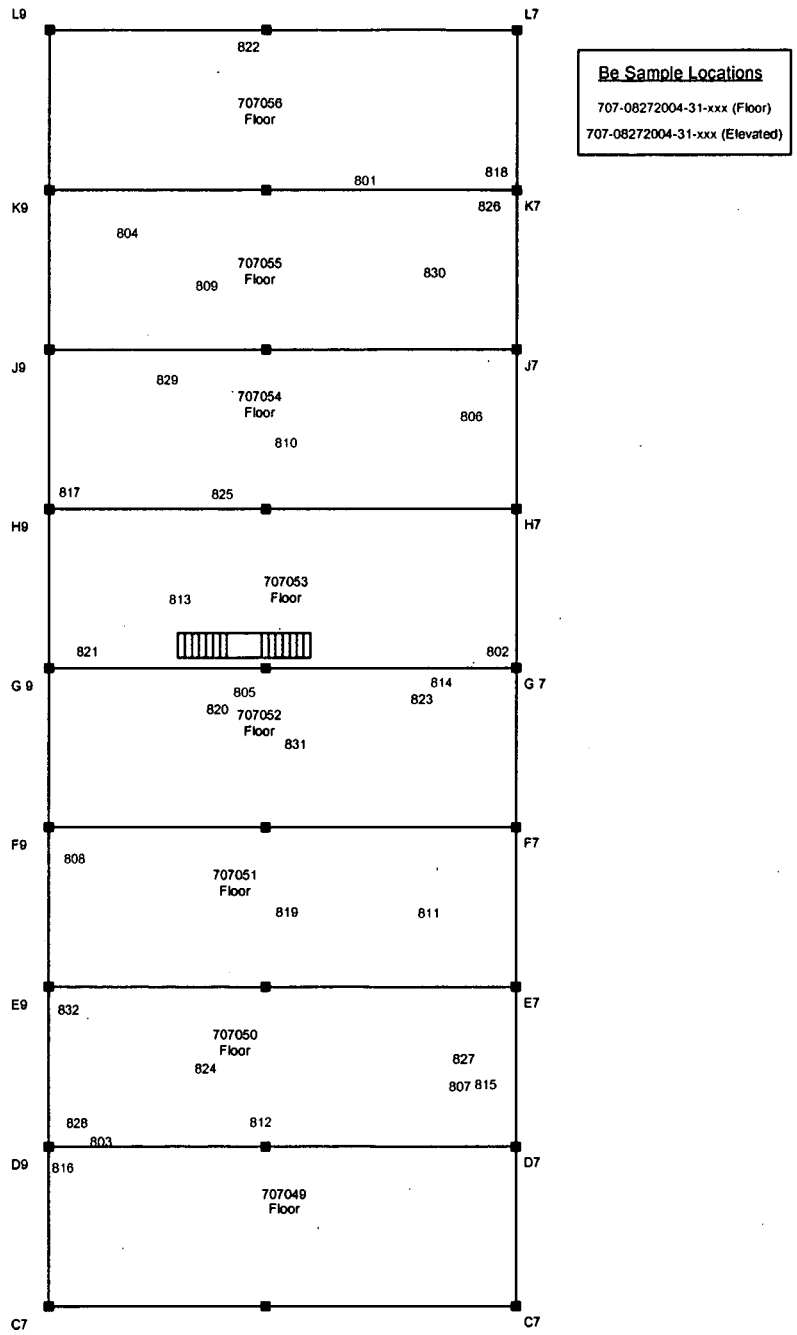
Grand Total 20

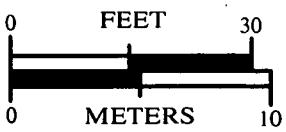
BERYLLIUM CHARACTERIZTION SURVEY FOR THE 707 CLUSTER

Survey Area: 1 **Survey Unit: 707049-707056** **Classification: NA**
Building: 707
Survey Unit Description: First floor - D module

Total Floor Area: NA **Total Area: NA** **Random Start Grid Size: NA**

D module overview





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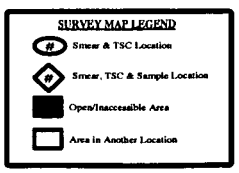

Industrial Hygien[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-08272004-31-801	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-9, S-29, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-802	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-87, S-38, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-803	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-128, S-8, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-804	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-17, S-8, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-805	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-73, S-19, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-806	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-38, S-35, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-807	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-123, S-32, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-808	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-94, S-4, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-809	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-21, S-16, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-810	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-42, S-23, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-811	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-98, S-29, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-812	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-117, S-20, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-813	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-59, S-12, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-814	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-69, S-32, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-815	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-121, S-38, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-816	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-130, S-1, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-817	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-46, S-2, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

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Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-08272004-31-818	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-8, S-39, PIPE	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-819	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-98, S-21, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-820	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-76, S-13, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-821	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-64, S-5, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-822	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-2, S-16, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-823	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-74, S-29, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-824	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-118, S-12, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-825	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-47, S-17, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-826	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-14, S-36, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-827	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-119, S-35, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-828	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-122, S-4, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-829	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-34, S-11, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-830	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-23, S-31, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-831	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-80, S-22, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-832	SURVEY	115 (MOD D)	FINAL BERYLLIUM SURVEY W-109, S-0, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 32
Hygienist Subtotal: 32
Company Subtotal: 32
Grand Total 32

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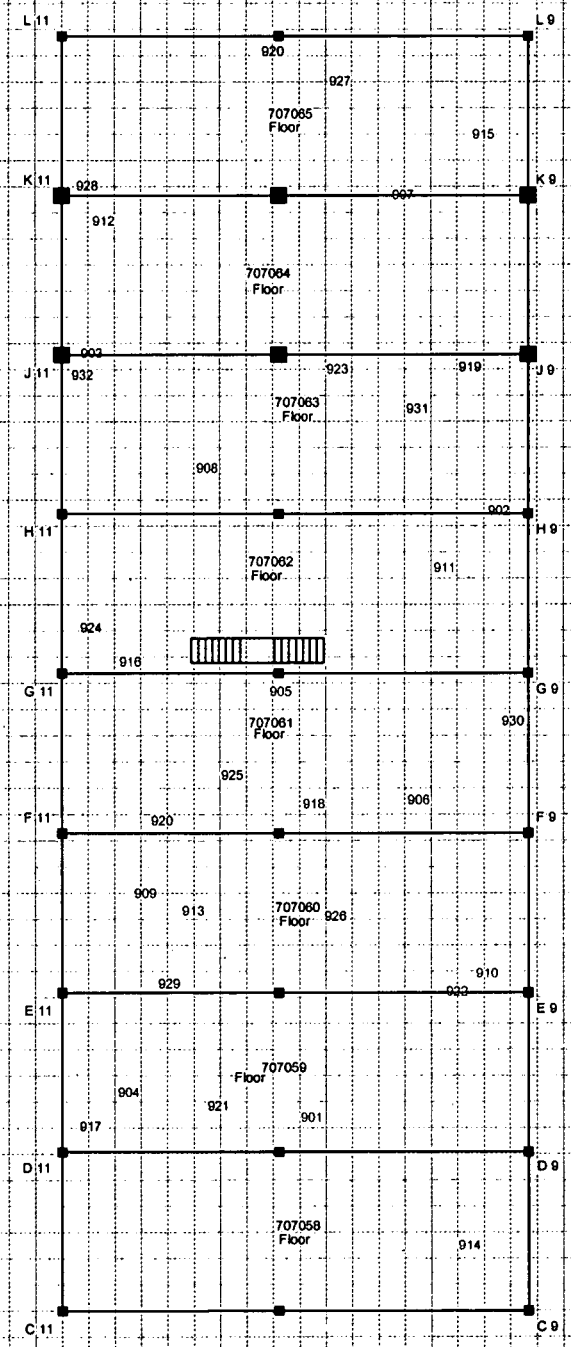
BERYLLIUM CHARACTERIZTION SURVEY FOR THE 707 CLUSTER

Survey Area: 1 **Survey Unit: 707058-707065** **Classification: NA**
Building: 707
Survey Unit Description: First floor- E Module

Total Floor Area: NA **Total Area: NA** **Random Start Grid Size: NA**

E MODULE OVERVIEW



Be Sample Locations

707-08272004-31-xxx (Floor)

707-08272004-31-xxx (Elevated)

0 FEET 30

0 METERS 10

N

SURVEY MAP LEGEND

- Smear & TSC Location
- Smear, TSC & Sample Location
- Open/Inaccessible Area
- Area in Another Location

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Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-08272004-31-901	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-126, S25, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-902	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-51, S-39, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-903	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-30, S-5, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-904	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-120, S-8, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-905	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-71, S-20, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-906	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-85, S-30, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-907	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-10, S-28, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-908	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-44, S-17, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-909	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-94, S-8, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-910	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-105, S-38, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-911	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-58, S-31, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-912	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-13, S-9, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-913	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-99, S-14, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-914	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-140, S-31, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-915	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-7, S-36, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-916	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-68, S-11, FLOOR	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-917	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-122, S-1, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

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Industrial Hygie[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-08272004-31-918	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-85, S-22, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-919	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-31, S-32, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-920	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-3, S-19, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-921	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-122, S-16, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-922	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-109, S-31, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-923	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-30, S-22, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-924	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-64, S-3, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-925	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-83, S-16, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-926	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-97, S-26, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-927	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-3, S-24, CROSS T	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-928	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-10, S-4, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-929	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-109, S-12, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-930	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-78, S-38, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-931	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-31, S-26, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-08272004-31-932	SURVEY	120 (MOD E)	FINAL SURVEY BERYLLIUM W-29, S-1, BRACKET	WIPE	04C0728	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 32

Hygienist Subtotal: 32

Company Subtotal: 32

Grand Total 32

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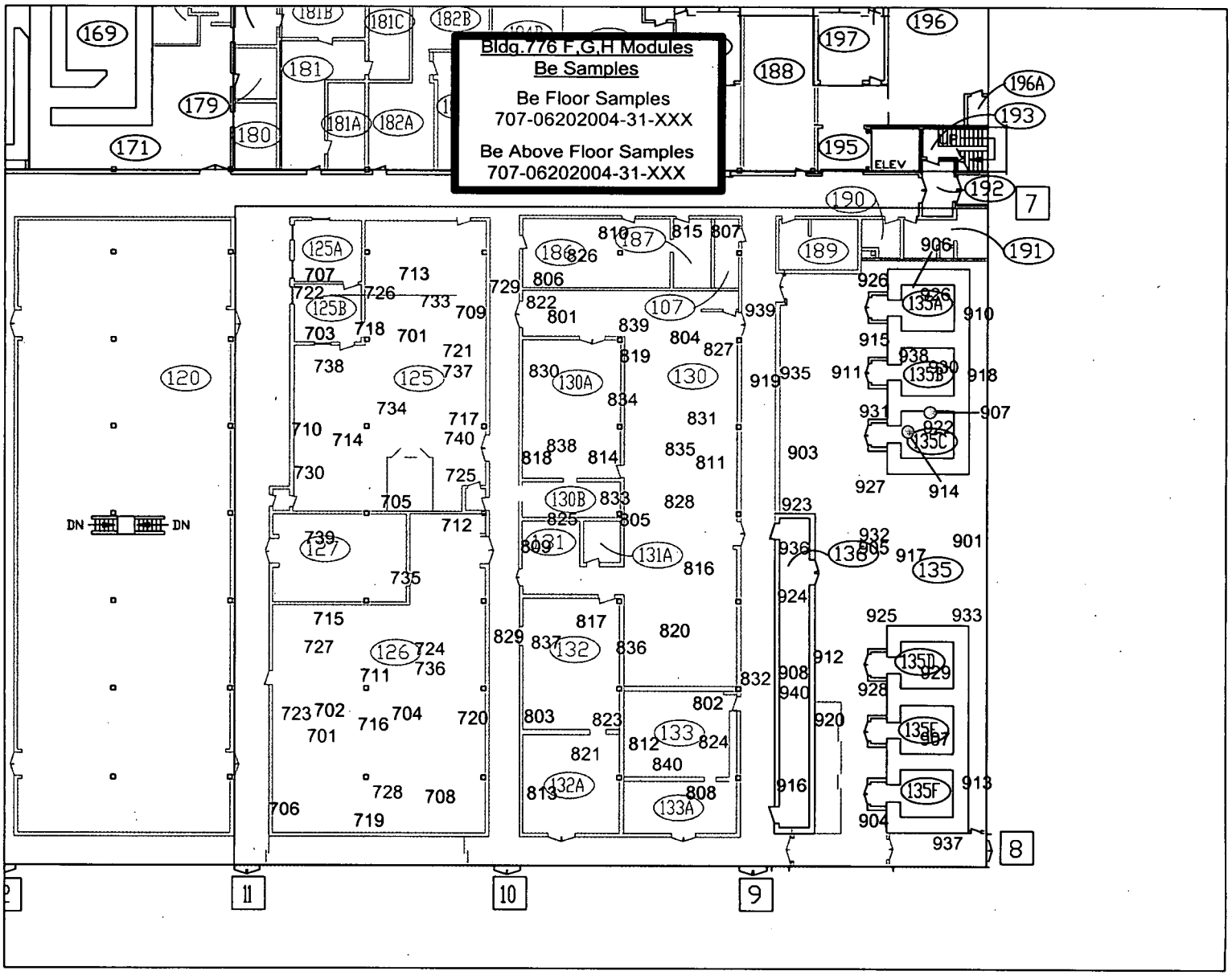
Bldg.776 F,G,H Modules
Be Samples
Be Floor Samples
707-06202004-31-XXX
Be Above Floor Samples
707-06202004-31-XXX
ELEV
DN
DN
7
8
9
10
11

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-701	SURVEY	125 (MOD F)	FINAL BE SURVEY W-116 S-12, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-702	SURVEY	126 (MOD F)	FINAL BE SURVEY W-39 S-32, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-703	SURVEY	125B (MOD F)	FINAL BE SURVEY W-124 S-29, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-704	SURVEY	126 (MOD F)	FINAL BE SURVEY W-32 S-10, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-705	SURVEY	125 (MOD F)	FINAL BE SURVEY W-85 S-19, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-706	SURVEY	126 (MOD F)	FINAL BE SURVEY W-9 S-34, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-707	SURVEY	125B (MOD F)	FINAL BE SURVEY W-156, S-34, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-708	SURVEY	126 (MOD F)	FINAL BE SURVEY W-15, S-7, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-709	SURVEY	125 (MOD F)	FINAL BE SURVEY W-131, S-3, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-710	SURVEY	125 (MOD F)	FINAL BE SURVEY W-100, S-40, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-711	SURVEY	126 (MOD F)	FINAL BE SURVEY W-49, S-21, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-712	SURVEY	126 (MOD F)	FINAL BE SURVEY W-77, S-6, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-713	SURVEY	125 (MOD F)	FINAL BE SURVEY W-143, S-15,FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-714	SURVEY	125 (MOD F)	FINAL BE SURVEY W-101, S-40, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-715	SURVEY	126 (MOD F)	FINAL BE SURVEY W-58, S-35, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-716	SURVEY	126 (MOD F)	FINAL BE SURVEY W-32, S-18, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-717	SURVEY	125 (MOD F)	FINAL BE SURVEY W-91, S-1,FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-718	SURVEY	125B (MOD F)	FINAL BE SURVEY W-126, S-22, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-719	SURVEY	126 (MOD F)	FINAL BE SURVEY W-6, S-22, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-720	SURVEY	126 (MOD F)	FINAL BE SURVEY W-34, S-0, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-721	SURVEY	125 (MOD F)	FINAL BE SURVEY W-116, S-5, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-722	SURVEY	125B (MOD F)	FINAL BE SURVEY W-139, S-35, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-723	SURVEY	126 (MOD F)	FINAL BE SURVEY W-30, S-37, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-724	SURVEY	126 (MOD F)	FINAL BE SURVEY W-48, S-14, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-725	SURVEY	125 (MOD F)	FINAL BE SURVEY W-84, S-8, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-726	SURVEY	125 (MOD F)	FINAL BE SURVEY W-143, S-22, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-727	SURVEY	125 (MOD F)	FINAL BE SURVEY W-51, S-28, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-728	SURVEY	126 (MOD F)	FINAL BE SURVEY W-10, S-16, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-729	SURVEY	125 (MOD F)	FINAL BE SURVEY W-146, S-0, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-730	SURVEY	125 (MOD F)	FINAL BE SURVEY W-83, S-35, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-731	SURVEY	126 (MOD F)	FINAL BE SURVEY W-23, S-28, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-732	SURVEY	126 (MOD F)	FINAL BE SURVEY W-61, S-6, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-733	SURVEY	125 (MOD F)	FINAL BE SURVEY W-136, S-10, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-734	SURVEY	125 (MOD F)	FINAL BE SURVEY W-94, S-23, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-735	SURVEY	126 (MOD F)	FINAL BE SURVEY W-63, S-20, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-736	SURVEY	126 (MOD F)	FINAL BE SURVEY W-43, S-10, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-737	SURVEY	125 (MOD F)	FINAL BE SURVEY W-104, S-7, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-738	SURVEY	125 (MOD F)	FINAL BE SURVEY W-117, S-32. CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-739	SURVEY	126 (MOD F)	FINAL BE SURVEY W-71, S-30, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-740	SURVEY	125 (MOD F)	FINAL BE SURVEY W-70, S-10, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-741				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-742				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-743				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-744				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-745				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-801	SURVEY	130 (MOD G)	FINAL BE SURVEY W-127, S-31, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-802	SURVEY	133A (MOD G)	FINAL BE SURVEY W-37, S-9, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-803	SURVEY	132 (MOD G)	FINAL BE SURVEY W-30, S-33, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-804	SURVEY	133 (MOD G)	FINAL BE SURVEY W-118, S-9, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-805	SURVEY	133 (MOD G)	FINAL BE SURVEY W-80, S-20, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-806	SURVEY	130 (MOD G)	FINAL BE SURVEY W-140, S-39, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-807	SURVEY	130 (MOD G)	FINAL BE SURVEY W-140, S-3, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-808	SURVEY	133A (MOD G)	FINAL BE SURVEY W-8, S-8, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-809	SURVEY	131 (MOD G)	FINAL BE SURVEY W-73, S-38, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygien[redacted]Information System
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SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-810	SURVEY	130 (MOD G)	FINAL BE SURVEY W-140, S-24, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-811	SURVEY	130 (MOD G)	FINAL BE SURVEY W-94, S-4, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-812	SURVEY	133 (MOD G)	FINAL BE SURVEY W-23, S-15, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-813	SURVEY	132A (MOD G)	FINAL BE SURVEY W-7, S-36, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-814	SURVEY	130A (MOD G)	FINAL BE SURVEY W-98, S-27, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-815	SURVEY	130 (MOD G)	FINAL BE SURVEY W-140, S-12, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-816	SURVEY	130 (MOD G)	FINAL BE SURVEY W-67, S-8, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-817	SURVEY	132 (MOD G)	FINAL BE SURVEY W-50, S-26, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-818	SURVEY	130A (MOD G)	FINAL BE SURVEY W-97, S-36, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-819	SURVEY	130A (MOD G)	FINAL BE SURVEY W-117, S-16, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-820	SURVEY	130A (MOD G)	FINAL BE SURVEY W-53, S-14, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-821	SURVEY	132A (MOD G)	FINAL BE SURVEY W-11, S-25, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-822	SURVEY	130 (MOD G)	FINAL BE SURVEY W-132, S-38, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-823	SURVEY	130 (MOD G)	FINAL BE SURVEY W-132, S-38, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-824	SURVEY	133 (MOD G)	FINAL BE SURVEY W-24, S-2, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-825	SURVEY	131 (MOD G)	FINAL BE SURVEY W-72, S-30, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-826	SURVEY	130 (MOD G)	FINAL BE SURVEY W-141, S-33, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-827	SURVEY	130 (MOD G)	FINAL BE SURVEY W-125, S-4, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygien[illegible]Information System
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SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-828	SURVEY	130 (MOD G)	FINAL BE SURVEY W-75, S-15, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-829	SURVEY	132 (MOD G)	FINAL BE SURVEY W-51, S-39, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-830	SURVEY	130A (MOD G)	FINAL BE SURVEY W-112, S-31, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-831	SURVEY	130 (MOD G)	FINAL BE SURVEY W-104, S-7, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-832	SURVEY	130 (MOD G)	FINAL BE SURVEY W-44, S-3, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-833	SURVEY	131A (MOD G)	FINAL BE SURVEY W-68, S-24, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-834	SURVEY	130A (MOD G)	FINAL BE SURVEY W-108, S-21, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-835	SURVEY	130 (MOD G)	FINAL BE SURVEY W-85, S-12, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-836	SURVEY	130 (MOD G)	FINAL BE SURVEY W-47, S-19, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-837	SURVEY	132 (MOD G)	FINAL BE SURVEY W-49, S-34, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-838	SURVEY	130A (MOD G)	FINAL BE SURVEY W-95, S-32, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-839	SURVEY	130A (MOD G)	FINAL BE SURVEY W-129, S-20, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-840	SURVEY	133 (MOD G)	FINAL BE SURVEY W-19, S-12, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-841				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-842				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-843				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-844				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-845				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG

Industrial Hygien[illegible]Information System
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SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-901	SURVEY	135 (MOD H)	FINAL BE SURVEY W-72, S-3, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-902	SURVEY	135A (MOD H)	FINAL BE SURVEY W-148, S-15, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-903	SURVEY	135 (MOD H)	FINAL BE SURVEY W-101, S-32, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-904	SURVEY	135 (MOD H)	FINAL BE SURVEY W-13, S-20, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-905	SURVEY	135 (MOD H)	FINAL BE SURVEY W-70, S-19, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-906	SURVEY	135A (MOD H)	FINAL BE SURVEY W-140, S-32, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-907	SURVEY	135C (MOD H)	FINAL BE SURVEY W-110, S-10, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-908	SURVEY	136 (MOD H)	FINAL BE SURVEY W-43, S-35, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-909	SURVEY	135E (MOD H)	FINAL BE SURVEY W-20, S-8, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-910	SURVEY	135 (MOD H)	FINAL BE SURVEY W-135, S-3, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-911	SURVEY	135 (MOD H)	FINAL BE SURVEY W-116, S-23, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-912	SURVEY	135 (MOD H)	FINAL BE SURVEY W-51, S-27, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-913	SURVEY	135 (MOD H)	FINAL BE SURVEY W-1, S-14, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-914	SURVEY	135C (MOD H)	FINAL BE SURVEY W-103, S-15, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-915	SURVEY	135B (MOD H)	FINAL BE SURVEY W-124, S-29, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-916	SURVEY	136 (MOD H)	FINAL BE SURVEY W-15, S-32, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-917	SURVEY	135 (MOD H)	FINAL BE SURVEY W-69, S-14, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-918	SURVEY	135 (MOD H)	FINAL BE SURVEY W-113, S-0, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygiene Information System
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SURFACE

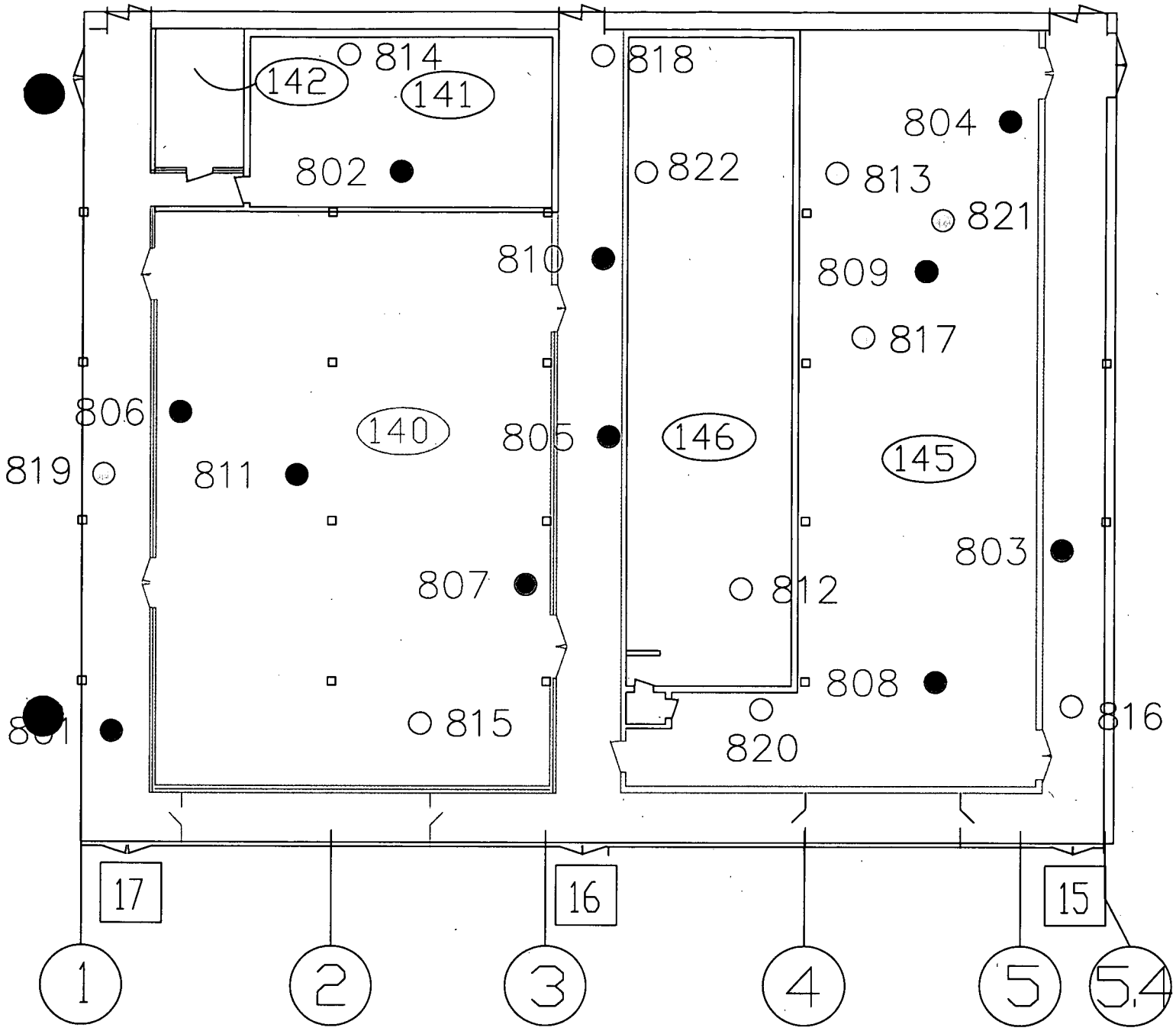
Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-919	SURVEY	135 (MOD H)	FINAL BE SURVEY W-120, S-39, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-920	SURVEY	135 (MOD H)	FINAL BE SURVEY W-29, S-35, FLOOR	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-921	SURVEY	135E (MOD H)	FINAL BE SURVEY W-30, S-3, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-922	SURVEY	135C (MOD H)	FINAL BE SURVEY W-30,100 S-5, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-923	SURVEY	135 (MOD H)	FINAL BE SURVEY W-82,S-32, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-924	SURVEY	136 (MOD H)	FINAL BE SURVEY W-54,S-39, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-925	SURVEY	135 (MOD H)	FINAL BE SURVEY W-46,S-18, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-926	SURVEY	135A (MOD H)	FINAL BE SURVEY W-137,S-11, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-927	SURVEY	135 (MOD H)	FINAL BE SURVEY W-90,S-26, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-928	SURVEY	135 (MOD H)	FINAL BE SURVEY W-35,S-23, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-929	SURVEY	135D (MOD H)	FINAL BE SURVEY W-40,S-9, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-930	SURVEY	135 (MOD H)	FINAL BE SURVEY W-118,S-4, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-931	SURVEY	135 (MOD H)	FINAL BE SURVEY W-105,S-21, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-932	SURVEY	135 (MOD H)	FINAL BE SURVEY W-62,S-24, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-933	SURVEY	135 (MOD H)	FINAL BE SURVEY W-48,S-6, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-934	SURVEY	135 (MOD H)	FINAL BE SURVEY W-83,S-4, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-935	SURVEY	135 (MOD H)	FINAL BE SURVEY W-118,S-33, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-06202004-31-936	SURVEY	136 (MOD H)	FINAL BE SURVEY W-60,S-35, TOP OF VAULT	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-937	SURVEY	135 (MOD H)	FINAL BE SURVEY W-2,S-7, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-938	SURVEY	135B (MOD H)	FINAL BE SURVEY W-123,S-17, BRACKET	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-939	SURVEY	135 (MOD H)	FINAL BE SURVEY W-140,S-40, CROSS T	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-940	SURVEY	136 (MOD H)	FINAL BE SURVEY W-37,S-37, TOP OF VAULT	WIPE	04D0896	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-06202004-31-941				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-942				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-943				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-944				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG
707-06202004-31-945				BLANK	04D0896	BERYLLIUM AND B	< 0.1000 _ UG

Building Subtotal: 135
Hygienist Subtotal: 135
Company Subtotal: 135
Grand Total 135



707 1st Floor J&K Mods
Be Sample Locations

● 707-10162004-31-xxx (Floor)

707-10162004-31-xxx (Elevated)

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Date: 11/10/2004

Industrial Hygien[illegible]Information System
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SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-801	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-14, S-89, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-805	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-56, S-46, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-806	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-68, S-88, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-807	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-23, S-63, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-810	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-54, S-60, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-811	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-42, S-87, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-812	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-29, S-50 CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-815	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-10, S-73, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-818	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-96, S-50, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-819	SURVEY	140 (MOD J)	BERYLLIUM FINAL SURVEY W-49, S-99, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 10

Hygienist Subtotal: 10

Company Subtotal: 10

Grand Total 10

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Date: 11/10/2004

Industrial Hygien[illegible]Information System
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SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-802	SURVEY	141	BERYLLIUM FINAL SURVEY W-88, S-70, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-814	SURVEY	141	BERYLLIUM FINAL SURVEY W-96, S-88, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 2

Hygienist Subtotal: 2

Company Subtotal: 2

Grand Total 2

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Date: 11/10/2004

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SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-803	SURVEY	145	BERYLLIUM FINAL SURVEY W-42, S-9, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-804	SURVEY	145	BERYLLIUM FINAL SURVEY W-92, S-19, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-808	SURVEY	145	BERYLLIUM FINAL SURVEY W-10, S-28, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-809	SURVEY	145	BERYLLIUM FINAL SURVEY W-63, S-14, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-813	SURVEY	145	BERYLLIUM FINAL SURVEY W-84, S-38, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-816	SURVEY	145	BERYLLIUM FINAL SURVEY W-17, S-5, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-817	SURVEY	145	BERYLLIUM FINAL SURVEY W-63, S-32, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-820	SURVEY	145	BERYLLIUM FINAL SURVEY W-19, S-49, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-821	SURVEY	145	BERYLLIUM FINAL SURVEY W-78, S-27, CROSS T	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 9

Hygienist Subtotal: 9

Company Subtotal: 9

Grand Total 9

[redacted]

364

IHISR_SAMPLE_[illegible]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[illegible]Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
FARLER, DAVID F							
707-10162004-31-822	SURVEY	146	BERYLLIUM FINAL SURVEY W-75, S-59, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

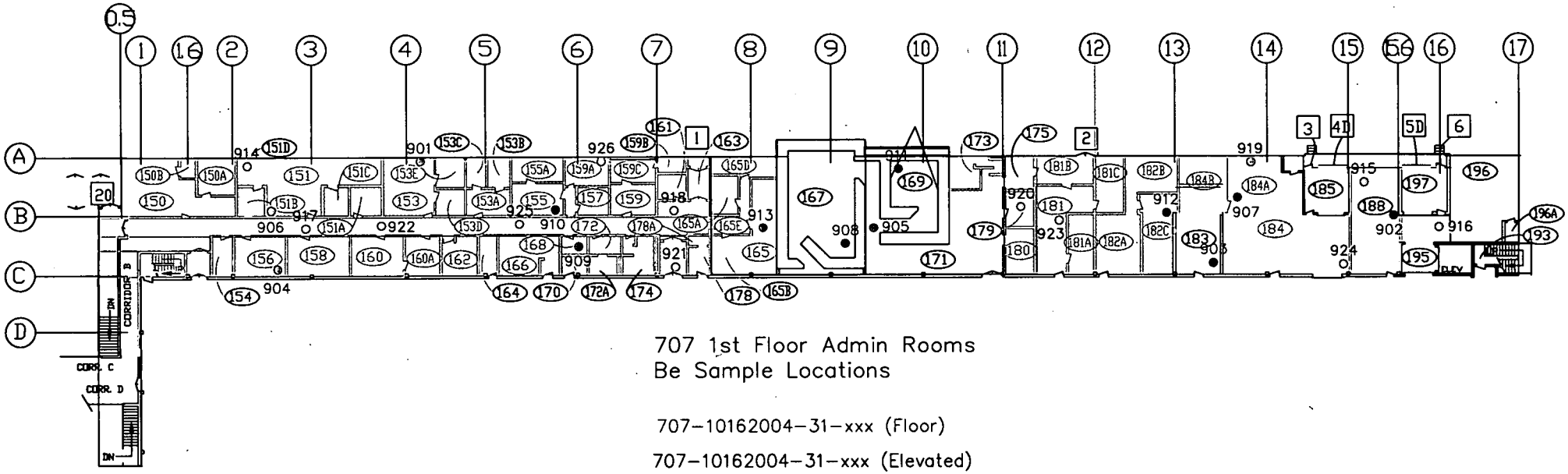
Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

365



707 1st Floor Admin Rooms
Be Sample Locations

707–10162004–31–xxx (Floor)

707–10162004–31–xxx (Elevated)

366

IHISR_SAMPLE_[illegible]ULTS_REPORT

Date: 11/10/2004

Industrial Hygie[illegible] Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-901	SURVEY	153	BERYLLIUM FINAL SURVEY W-5, S-76, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

367

IHISR_SAMPLE_[illegible]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[illegible]Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-902	SURVEY	188	BERYLLIUM FINAL SURVEY W-17, S-287, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-915	SURVEY	188	BERYLLIUM FINAL SURVEY W-7, S-315, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 2

Hygienist Subtotal: 2

Company Subtotal: 2

Grand Total 2

368

IHISR_SAMPLE_[redacted]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-903	SURVEY	183	BERYLLIUM FINAL SURVEY W-33, S-253, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

369

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-904	SURVEY	156	BERYLLIUM FINAL SURVEY W-40, S-30, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

370

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-905	SURVEY	171	BERYLLIUM FINAL SURVEY W-19, S-167, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

371

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-906	SURVEY	151	BERYLLIUM FINAL SURVEY W-19, S-32, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

372

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-907	SURVEY	184A	BERYLLIUM FINAL SURVEY W-8, S-249, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-919	SURVEY	184A	BERYLLIUM FINAL SURVEY W-0, S-259, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 2

Hygienist Subtotal: 2

Company Subtotal: 2

Grand Total 2

313

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-908	SURVEY	167	BERYLLIUM FINAL SURVEY W-35, S-166, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

379

IHISR_SAMPLE_[illegible]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[illegible]Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-909	SURVEY	168	BERYLLIUM FINAL SURVEY W-30, S-99, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

375

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-910	SURVEY	155	BERYLLIUM FINAL SURVEY W-16, S-94, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-911	SURVEY	169	BERYLLIUM FINAL SURVEY W-6, S-169, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1
Hygienist Subtotal: 1
Company Subtotal: 1
Grand Total 1

377

IHISR_SAMPLE_[illegible]SULTS_REPORT

Date: 11/10/2004

Industrial Hygie[illegible]Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-912	SURVEY	182C	BERYLLIUM FINAL SURVEY W-22, S-240, FLOOR	WIPE	05C0014	BERYLLIUM AND B -	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

878

IHISR_SAMPLE_[illegible]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[illegible]Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-913	SURVEY	165	BERYLLIUM FINAL SURVEY W-26, S-143, FLOOR	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-914	SURVEY	151D	BERYLLIUM FINAL SURVEY W-1, S-25, PIPE	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

Industrial Hygien[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-916	SURVEY	195	BERYLLIUM FINAL SURVEY W-30, S-293, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1
Hygienist Subtotal: 1
Company Subtotal: 1
Grand Total 1

[redacted]

381

IHISR_SAMPLE_[illegible]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[illegible]Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-917	SURVEY	158	BERYLLIUM FINAL SURVEY W-32, S-40, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

382

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-918	SURVEY	178	BERYLLIUM FINAL SURVEY W-10, S-123, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2
707-10162004-31-921	SURVEY	178	BERYLLIUM FINAL SURVEY W-39, S-128, PIPE	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 2

Hygienist Subtotal: 2

Company Subtotal: 2

Grand Total 2

383

IHISR_SAMPLE_[redacted]ULTS_REPORT

Date: 11/10/2004

Industrial Hygien[redacted]Information System
Sample [redacted]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-920	SURVEY	179	BERYLLIUM FINAL SURVEY W-27, S-205, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

Industrial Hygien[illegible] Information System
Sample [illegible]esults Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-922	SURVEY	CORRIDOR E	BERYLLIUM FINAL SURVEY W-11, S-57, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1
Hygienist Subtotal: 1
Company Subtotal: 1
Grand Total 1

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-923	SURVEY	181	BERYLLIUM FINAL SURVEY W-11, S-214, PIPE	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1
Hygienist Subtotal: 1
Company Subtotal: 1
Grand Total 1

386

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-924	SURVEY	184	BERYLLIUM FINAL SURVEY W-38, S-278, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

[redacted]

387

IHISR_SAMPLE_RESULTS_REPORT

Date: 11/10/2004

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-925	SURVEY	166	BERYLLIUM FINAL SURVEY W-22, S-93, CONDUIT	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1

Hygienist Subtotal: 1

Company Subtotal: 1

Grand Total 1

Industrial Hygiene Information System
Sample Results Report

SURFACE

Sample Number	Work Pkg	Room	Location	Type	Rin No	Analyte	Concentration
RMRS							
707-10162004-31-926	SURVEY	159A	BERYLLIUM FINAL SURVEY W-1, S-107, BRACKET	WIPE	05C0014	BERYLLIUM AND B	< 0.1000 _ UG/100CM2

Building Subtotal: 1
Hygienist Subtotal: 1
Company Subtotal: 1
Grand Total 1

ATTACHMENT D

Data Quality Assessment

DATA QUALITY ASSESSMENT (DQA)

Verification & VALIDATION of Results

V&V of the data confirm that appropriate quality controls are implemented throughout the sampling and analysis process, and that any substandard controls result in qualification or rejection of the data in question. A Data Quality Checklist was completed as required in PRO-478-RSP-16.*04 Radiological Survey/Sample Data Quality Analysis for Final Status Survey.* The required quality controls and their implementation are summarized in a tabular, checklist format for each category of data – radiological surveys and chemical analyses (specifically beryllium).

DQA criteria and results are provided in a tabular format for each set of surveys or chemical analyses performed; the radiological survey assessment is provided in Table D-1, and the beryllium assessment in D-2. A data completeness summary for all results is given in Table D-3.

All relevant Quality records supporting this report are maintained in the B707 Characterization Project Files. The Regulators will submit this report to the CERCLA Administrative Record for permanent storage within 30 days of approval. All radiological data are organized into Survey Packages, which correlate to unique (MARSSIM) Survey Units. Chemical data are organized by RIN (Report Identification Number) and are traceable to the sample number and corresponding sample location.

Survey designs were implemented based on the transuranic limits used as DCGLs in the unrestricted release decision process. All survey results were evaluated against, and were less than the Transuranic DCGLw (100 dpm/100cm^2).

Summary

In summary, the data presented in this report have been verified and validated relative to the quality requirements and project decisions as stated in the original DQOs. All data are useable based on qualifications stated herein and are considered satisfactory without qualification. All media surveyed and sampled yielded results less than their associated action levels and with acceptable uncertainties.

Based upon an independent review of the radiological data, it is determined that the original project DQOs satisfied MARSSIM guidance. All facility contamination levels were below applicable unrestricted release levels, except as noted above. Minimum survey requirements were met, sampling/survey protocol was performed in accordance with applicable procedures, survey units were properly designed and bounded, and instrument performance and calibration were within acceptable limits.

DQAs for radiological surveys and beryllium analyses are included in this report. The facility has been verified to be free of asbestos, PCBs, and RCRA/CERCLA materials through in-process characterization and final facility walkdowns, and no further sampling for these chemical constituents was required.

Table D-1 V&V of Radiological Surveys – B707 1st floor

V&V CRITERIA, RADIOLOGICAL SURVEYS		K-H RSP 16.00 Series MARSSIM (NUREG-1575)		
QUALITY REQUIREMENTS				
Parameters		Measure	Frequency	COMMENTS
ACCURACY	Initial calibrations	80%<x<120%	≥1	Calibration using Alpha Group procedure and approved technicians.
	Daily source checks	80%<x<120%	≥1/day	Performed daily/within range.
	Local area background: Field	typically < 10 dpm	≥1/day	All local area backgrounds were within expected ranges
PRECISION	Field duplicate measurements for TSA	≥5% of real survey points	≥100% packages	N/A
REPRESENTATIVENESS	MARSSIM methodology	Statistical	NA	Random w/ statistical confidence.
	Survey Maps	NA	NA	Random measurement locations controlled/mapped to ±1m.
	Controlling Documents (Characterization Pkg; RSPs)	Qualitative	NA	Refer to the Characterization Package (planning document) for field/sampling procedures (located in Project files); thorough documentation of the planning, sampling/analysis process, and data reduction into formats.
COMPARABILITY	Units of measure	dpm/100cm^2	NA	Use of standardized engineering units in the reporting of measurement results.
COMPLETENESS	Plan vs. Actual surveys Usable results vs. unusable	>95% >95%	NA	See Table C-3 for details.
SENSITIVITY	Detection limits	TSA: ≤50 dpm/100cm^2 RA: ≤10 dpm/100cm^2	all measures	MDAs ≤ ½ $DCGL_w$ per MARSSIM guidelines.

Table D-2 V&V of Beryllium Results – B707 1st floor

V&V CRITERIA, CHEMICAL ANALYSES		DATA PACKAGE		
BERYLLIUM	Prep: NMAM 7300 METHOD: OSHA ID-125G	LAB ---->	Johns Manville Corp. Denver, Co.	
QUALITY REQUIREMENTS				
		Measure	Frequency	COMMENTS
ACCURACY	**Calibrations** Initial	linear calibration	≥1	No qualifications significant enough to change project decisions, i.e., classification of Type 3 facilities confirmed. All results were below associated action levels.
	Continuing	80%<%R<120%	≥1	
	LCS/MS	80%<%R<120%	≥1	
	Blanks – lab & field	<MDL	≥1	
	Interference check std (ICP)	NA	NA	
PRECISION	Laboratory Control Sample Duplicate	80%<%R<120% (RPD<20%)	≥1	
	Field duplicate	all results < RL	≥1	
REPRESENTATIVENESS	COC	Qualitative	NA	
	Hold times/preservation	Qualitative	NA	
	Controlling Documents (Plans, Procedures, maps, etc.)	Qualitative	NA	
COMPARABILITY	Measurement units	ug/100cm^2	NA	
COMPLETENESS	Plan vs. Actual samples Usable results vs. unusable	>95% >95%	NA	
SENSITIVITY	Detection limits	MDL of 0.10ug/100cm^2	All measures	

Table D-3 Data Completeness Summary – B707 1st Floor Main Building and Annex

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Beryllium	Survey Area:				
	Room 100	20 Random swipe samples on horizontal surfaces from floor to ceiling	20 Random swipe samples on horizontal surfaces from floor to ceiling	No beryllium contamination found at any location, all results below the regulatory limit	OSHA ID-125G RIN 05C0014, 04D0896, 04C0728, No results above action level (0.2ug/100cm^2) or investigative level (0.1 ug/100cm^2). See attached maps for sample locations.
	Room 105	20 Random swipe samples on horizontal surfaces from floor to ceiling	20 Random swipe samples on horizontal surfaces from floor to ceiling		
	Room 110	20 Random swipe samples on horizontal surfaces from floor to ceiling	20 Random swipe samples on floor, walls, & components		
	Room 115	32 Random swipe samples on floor, walls, & components	32 Random swipe samples on horizontal surfaces from floor to ceiling		
	Room 120	32 Random swipe samples on horizontal surfaces from floor to ceiling	32 Random swipe samples on horizontal surfaces from floor to ceiling		
	Room 125, 130, 135	135 Random swipe samples on horizontal surfaces from floor to ceiling	135 Random swipe samples on horizontal surfaces from floor to ceiling		
	J & K Mod	22 Random swipe samples on horizontal surfaces from floor to ceiling	22 Random swipe samples on horizontal surfaces from floor to ceiling		
	Office Area	26 Random swipe samples on horizontal surfaces from floor to ceiling	26 Random swipe samples on horizontal surfaces from floor to ceiling		
Radiological	Survey Area: B Survey Unit: 707013 Floor, walls and ceiling (including equipment in the overhead)	15 α TSA & RSA (Random) 2 QC TSA 50% scan of the floor surfaces, 10% scan of the lower wall surfaces and 5% scan of the upper wall and ceiling surfaces.	15 α TSA & RSA (Random) 2 QC TSA >50% floor scan >10% lower wall scan >5% upper wall/ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: B Survey Unit: 707014 Floor, walls and ceiling)	15 α TSA & RSA (Random/Systematic) 2 QC TSA 13 media samples 100% scan of all accessible floor surfaces 25% lower wall scan 10% upper wall/ceiling scan	15 α TSA & RSA (Random/Systematic) 2 QC TSA 13 media samples 100% scan of all accessible floor surfaces 28% lower wall scan 42% upper wall/ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707015 Floor	15 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	15 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707021 Lower walls Upper walls & ceiling	15 α TSA & RSA (Random/Systematic) 2 QC TSA 25% lower wall scan 10% upper wall/ceiling scan	25 α TSA & RSA (Random/Systematic) 2 QC TSA 67% lower wall scan 21% upper wall/ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707022 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 10 biased TSA & RSA 2 QC TSA 100% scan of all accessible floor surfaces	15 α TSA & RSA (Random/Systematic) 10 biased TSA & RSA 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707023 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	16 α TSA & RSA (Random/Systematic) 1 TSA/RSA measurement discarded - location will be plated and removed as contaminated. 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707024 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707025 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707026 Floor	16 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	16 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707027 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707028 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707029 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707030 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 15 biased TSA & RSA 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 15 biased TSA & RSA 2 QC TSA 53% lower wall scan 17% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707031 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707032 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707033 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707034 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707035 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	15 α TSA & RSA (Random/Systematic) 2 TSA/RSA measurements discarded - location will be plated and removed as contaminated. 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707036 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707037 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707038 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707039 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 9 biased TSA & RSA 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 9 biased TSA & RSA 2 QC TSA 44% lower wall scan 18% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707048 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 15 biased TSA & RSA 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 15 biased TSA & RSA 2 QC TSA >25% lower wall scan >10% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707049 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707050 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707051 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707052 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707053 Floor	16 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	16 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707054 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707055 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707056 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707057 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 2 QC TSA 59% lower wall scan 11% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707058 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707059 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707060 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707061 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707062 Floor	16 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	16 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707063 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707064 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707065 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707066 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 2 QC TSA 56% lower wall scan 20% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707067 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707068 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707069 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707070 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707071 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707072 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707073 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707074 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707075 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 2 QC TSA 45% lower wall scan 13% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707076 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707077 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707078 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707079 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707080 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707081 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707082 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707083 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707084 Walls and ceiling	15 α TSA & RSA (Random/Systematic) 4 media samples 2 QC TSA 25% lower wall scan 10% upper wall and ceiling scan	15 α TSA & RSA (Random/Systematic) 4 media samples 2 QC TSA 35% lower wall scan 17% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707085 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707086 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707087 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707088 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707089 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707090 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707091 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707092 Floor	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	17 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan of all accessible floor surfaces	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707093 Walls and ceiling	40 α TSA & RSA (Random/Systematic) 2 QC TSA 100% lower wall scan 50% upper wall and ceiling scan	40 α TSA & RSA (Random/Systematic) 2 QC TSA 100% lower wall scan 50% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707094 Floor, walls and ceiling	19 α TSA & RSA (Random/Systematic) 10 media samples 2 QC TSA 100% floor, 25% lower wall and 10% upper wall and ceiling scan	19 α TSA & RSA (Random/Systematic) 10 media samples 2 QC TSA 100% floor, 60% lower wall and 14% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707095 Floor, walls and ceiling	33 α TSA & RSA (Random/Systematic) 4 QC TSA 100% floor scan	33 α TSA & RSA (Random/Systematic) 4 QC TSA 100% floor scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707096 Floor, walls and ceiling	33 α TSA & RSA (Random/Systematic) 4 QC TSA 100% floor scan	33 α TSA & RSA (Random/Systematic) 4 QC TSA 100% floor scan	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level

ANALYTE	Building/Area/Unit	Sample Number Planned (Real & QC)	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area: C Survey Unit: 707097 Floor	18 α TSA & RSA (Random/Systematic) 2 QC TSA 100% floor scan	18 α TSA & RSA (Random/Systematic) 2 QC TSA 100% floor scan	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: C Survey Unit: 707098 Floor	53 α TSA & RSA (Random/Systematic) 5 QC TSA 100% floor scan	53 α TSA & RSA (Random/Systematic) 5 QC TSA 100% floor scan	No elevated contamination from DOE added nuclides remaining at any location other than below plated surfaces to be removed by RISS/ER at a later date; all values except as noted are below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: R Survey Unit: 707113 Wall	15 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan	15 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
Radiological	Survey Area: R Survey Unit: 707114 Wall	15 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan	15 α TSA & RSA (Random/Systematic) 2 QC TSA 100% scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
	Survey Area: R Survey Unit: 707117 Wall/Ceiling	17 α TSA & RSA (Random/Systematic) 2 QC TSA 50% wall and ceiling scan	17 α TSA & RSA (Random/Systematic) 2 QC TSA 59% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level
	Survey Area: R Survey Unit: 707118 Wall/Ceiling	18 α TSA & RSA (Random/Systematic) 2 QC TSA 50% wall and ceiling scan	18 α TSA & RSA (Random/Systematic) 2 QC TSA 57% upper wall and ceiling scan	No elevated contamination remaining at any location from DOE added nuclides; all values below PDS unrestricted release levels	Transuranic DCGLs No results above action level